

DTIC FILE COPY

NAVAL POSTGRADUATE SCHOOL
MONTEREY, CALIFORNIA

NPS-012-88-002



(2)

AD-A199 164

RECENT NAVAL POSTGRADUATE SCHOOL PUBLICATIONS



DTIC
SEP 08 1988
H

88 9 8 031

Approved For Public Release
Distribution Unlimited

NAVAL POSTGRADUATE SCHOOL
Monterey, CA 93943


Rear Admiral R.C. Austin
Superintendent

K.T. Marshall
Acting Provost

The Work reported herein was supported by various Department of Defense activities and federal government agencies.

Reproduction of all or part of this report is authorized.

Prepared by:


GILBERT T. HOWARD
Director of Research Administration

Released by:


KNEALE T. MARSHALL
Acting Provost

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE

REPORT DOCUMENTATION PAGE

1a. REPORT SECURITY CLASSIFICATION Unclassified			1b. RESTRICTIVE MARKINGS	
2a. SECURITY CLASSIFICATION AUTHORITY			3. DISTRIBUTION AVAILABILITY OF REPORT Approved for public release; distribution is unlimited.	
2b. DECLASSIFICATION / DOWNGRADING SCHEDULE				
4. PERFORMING ORGANIZATION REPORT NUMBER(S) NPS-012-88-002			5. MONITORING ORGANIZATION REPORT NUMBER(S) NPS-012-88-002	
6a. NAME OF PERFORMING ORGANIZATION Naval Postgraduate School		6b. OFFICE SYMBOL (if applicable) RAO	7a. NAME OF MONITORING ORGANIZATION	
6c. ADDRESS (City, State, and ZIP Code) Monterey, CA 93943			7b. ADDRESS (City, State, and ZIP Code)	
8a. NAME OF FUNDING / SPONSORING ORGANIZATION		8b. OFFICE SYMBOL (if applicable)	9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER	
8c. ADDRESS (City, State, and ZIP Code)			10. SOURCE OF FUNDING NUMBERS	
			PROGRAM ELEMENT NO	PROJECT NO
			TASK NO	WORK UNIT ACCESSION NO
11. TITLE (Include Security Classification) RECENT NAVAL POSTGRADUATE SCHOOL PUBLICATIONS				
12. PERSONAL AUTHOR(S) Faculty of the Naval Postgraduate School				
13a. TYPE OF REPORT Summary		13b. TIME COVERED FROM 10/1/86 TO 9/30/87	14. DATE OF REPORT (Year, Month, Day) 88 Aug 30	15. PAGE COUNT 335
16. SUPPLEMENTARY NOTATION				
17. COSATI CODES			18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)	
FIELD	GROUP	SUB-GROUP		
19. ABSTRACT (Continue on reverse if necessary and identify by block number) This publication contains a listing for each faculty member from each department indicating the conference presentations, contributions to books, published papers, and technical reports for the years 1984 - 1987.				
20. DISTRIBUTION / AVAILABILITY OF ABSTRACT <input checked="" type="checkbox"/> UNCLASSIFIED/UNLIMITED <input type="checkbox"/> SAME AS RPT <input type="checkbox"/> DTIC USERS			21. ABSTRACT SECURITY CLASSIFICATION UNCLASSIFIED	
22a. NAME OF RESPONSIBLE INDIVIDUAL Dr. G.T. Howard			22b. TELEPHONE (Include Area Code) (408) 646-2271	22c. OFFICE SYMBOL RAO/012

DD FORM 1473, 84 MAR

83 APR edition may be used until exhausted

All other editions are obsolete

SECURITY CLASSIFICATION OF THIS PAGE

U.S. Government Printing Office 1986-406-243

UNCLASSIFIED

NAVAL POSTGRADUATE SCHOOL
Monterey, California

The faculty and students at the Naval Postgraduate School participate in complementary research and educational programs. As part of the advancement of knowledge, contributions to their career fields are actively disseminated to colleagues through conference presentations and various publications. This report has been prepared in order to document such professional efforts over the last four years.

The Naval Postgraduate School wishes to acknowledge the efforts of Mrs. Deborah Breneman of the Naval Postgraduate School Research Administration Office for her portion of the production of this book.

Requests for NPS Technical Reports and theses cited in this volume may be made according to the directions indicated on the following page. Requests for other publications should be directed to the specific authors.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

PROCEDURES FOR REQUESTING NAVAL POSTGRADUATE SCHOOL
TECHNICAL REPORTS AND THESES

Copies of publications with unlimited distribution may be obtained from either of the following agencies depending upon the particular circumstances:

Individuals affiliated with a research and development activity within the U.S. Government or its associated contractors, subcontractors, or grantees, under current U.S. Government contract, order from:

DEFENSE TECHNICAL INFORMATION CENTER
Cameron Station
Alexandria, VA 22314-5000

Organizations or individuals who do not fall within the above categories may order from:

NATIONAL TECHNICAL INFORMATION SERVICE
U.S. Department of Commerce
Springfield, VA 22161

A given document may be obtained by submitting a bibliographic citation including: (1) author, (2) title, (3) publication date, and (4) the Naval Postgraduate School Report Number or reference to the document as a Naval Postgraduate School thesis.

General inquiries concerning faculty and student research at the Naval Postgraduate School should be addressed to:

Superintendent
Naval Postgraduate School
Code 012, Research Administration Office
Monterey, CA 93943



Accession For	
NTIS GRA&I	<input checked="checked" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
(Avail and/or)	
Dist	Special
A-1	

TABLE OF CONTENTS

DEPARTMENT OF ADMINISTRATIVE SCIENCES

Conference Presentations	3
Contributions to Books	16
Published Papers	19
Technical Reports and Notes	34

DEPARTMENT OF AERONAUTICS

Conference Presentations	45
Contributions to Books	49
Published Papers	50
Technical Reports and Notes	54

DEPARTMENT OF COMPUTER SCIENCE

Conference Presentations	59
Contributions to Books	64
Published Papers	65
Technical Reports and Notes	69

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Conference Presentations	81
Contributions to Books	90
Published Papers	91
Technical Reports and Notes	103

DEPARTMENT OF MATHEMATICS

Conference Presentations	107
Contributions to Books	111
Published Papers	113
Technical Reports and Notes	117

DEPARTMENT OF MECHANICAL ENGINEERING

Conference Presentations	125
Contributions to Books	131
Published Papers	132
Technical Reports and Notes	141

DEPARTMENT OF METEOROLOGY

Conference Presentations	147
Contributions to Books	161
Published Papers	163
Technical Reports and Notes	177

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

Conference Presentations	183
Contributions to Books	189
Published Papers	195
Technical Reports and Notes	205

DEPARTMENT OF OCEANOGRAPHY

Conference Presentations	209
Contributions to Books	218
Published Papers	219
Technical Reports and Notes	230

DEPARTMENT OF OPERATIONS RESEARCH

Conference Presentations	239
Contributions to Books	248
Published Papers	249
Technical Reports and Notes	256

DEPARTMENT OF PHYSICS

Conference Presentations	269
Contributions to Books	276
Published Papers	277
Technical Reports and Notes	286

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

Conference Presentations	293
Contributions to Books	296
Published Papers	297
Technical Reports and Notes	302

<u>DISTRIBUTION LIST</u>	305
--------------------------	-----

**DEPARTMENT
OF
ADMINISTRATIVE SCIENCES**

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS

- Agee, M H; Brammer, K W; Fabrycky, W J; Malmborg, C J;
Moore, T P
Predicting life cycle cost and maintenance requirements
Federal Acquisition Res. Symp., Fort Belvoir, VA,
1985.
- Bloxom, B M
A constrained spline estimator of a hazard function
Psychometrika, vol. 50, no. 3, p. 301-321, (Sept.,
1985).
- Bloxom, B M
Comparing hazard functions
Ann. Mtg. of Soc. for Mathematical Psychol., Univ. of
Calif. - San Diego, Aug. 28-30, 1985.
- Bloxom, B M
Considerations in psychometric modelling of response
time
Ann. Mtg. of Psychometric Soc., Vanderbilt Univ.,
Nashville, Tenn., June 2-4, 1985.
- Bloxom, B M
Considerations in psychometric modelling of response
time
European Mtg. of Psychometric and Classification
Societies, Queens College, Cambridge, England, July
2-5, 1985.
- Boger, D C
Alternative vehicle propulsion and the optimal
industrial fleet
Defense Logistics Agency Oper. Res. and Econ.
Analysis Workshop, Virginia Beach, VA, Dec. 4-6,
1985.
- Boger, D C
Statistical modeling of quarterly contractor overhead
costs
19th Ann. DoD Cost Analysis Symp., Leesburg, Va.,
Sept. 18, 1985.
- Boger, D C
Statistical models for predicting overhead costs
1985 Federal Acquisition Res. Symp., Richmond, VA,
Nov. 20-22, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS (cont'd)

- Boger, D C
Forecasting quarterly contractor overhead costs
20th Annual DoD Cost Analysis Symp., Leesburg, VA,
Sep. 17-19, 1986.
- Boger, D C
Costs of competition and dual sourcing
Air Force Systems Command Competition Workshop,
Monterey, CA, February, 1987.
- Boger, D C
Evaluation of alternative techniques for predicting
aerospace contractor overhead costs
DoD Cost Analysis Symposium, Leesburg, VA, September,
1987.
- Boger, D C; Greer, W R; Liao, S S
Dual sourcing and cost savings
1985 Federal Acquisition Res. Symp., Richmond, VA,
Nov. 20-22, 1985.
- Boger, D C; Jones, C R; Sontheimer, K C
Life cycle contracting: The path to minimum acquisition
costs
Western Regional Conf., Am. Soc. Public
Administration, Monterey, CA, Oct. 16-18, 1985.
- Boger, D C; Jones, C R; Sontheimer, K C
Life cycle contracting: The path to minimum acquisition
costs
ORSA/TIMS Joint Nat. Mtg., Boston, Mass., Apr. 29,
1985.
- Boger, D C; Jones, C R; Sontheimer, K C
Entrepreneurial behavior and defense contract incentives
ORSA/TIMS Joint National Mtg, New Orleans, LA, May,
1987.
- Bui, T
Non-cooperation in group decision support systems: Many
problems and some solutions
Joint Nat. Mtg. ORSA/TIMS, Miami Beach, FL, Oct.,
1986.
- Bui, T; Jarke, M
A decision support system for cooperative multiple
criteria group decision making
5th Int. Conf. on Information Systems, Tucson, Ariz.,
Nov., 1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS (cont'd)

- Bui, T; Jarke, M
Design of communications protocols in group decision support systems
19th Hawaii Int. Conf. on System Sciences (HICSS), Honolulu, HI, Jan. 7-10, 1986.
- Cooper, C G; Fischbeck, P S; Jones, C R
Message screening board automation: A knowledge engineered approach
DSS-86, Washington, DC, Apr. 21-24, 1986.
- Dolk, D R
Anatomy of an econometric model management system
ORSA/TIMS Conf., Dallas, Tex., Nov. 1984.
- Dolk, D R
Data as models: An approach to implementing model management
Model Manage. Workshop, Austin, Tex., May 15-17, 1984.
- Dolk, D R
Structured modeling and model management: The role of an information resource dictionary system
Mini-Conf. on Structured Modeling, UCLA, Los Angeles, CA, Aug. 21-22, 1986.
- Dolk, D R
Implementing a structured model management system
ORSA/TIMS New Orleans, New Orleans, LA, May, 1987.
- Dolk, D R
Integrating AI, OR, and IS: Concepts and tools
ORSA/TIMS New Orleans, New Orleans, LA, May, 1987.
- Dolk, D R
Model management systems for operations research: A prospectus
NATO Advanced Studies Inst. Conf. on Mathematical Models for Decision Support, Val d'Isere, France, July, 1987.
- Dolk, D R
Relational data management and modeling systems: A tutorial
NATO Advanced Studies Inst. Conf. on Mathematical Models for Decision Support, Val d'Isere, France, July, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS (cont'd)

- Eitelberg, M J
Historical data on Hispanics in the U. S. military
Workshop: Hispanic Subpopulations and Naval Service,
Washington, D.C., Dec. 11, 1984.
- Eitelberg, M J
Implications of the new ASVAB reference population:
Discussant remarks
93rd Annual Conv. of the Am. Psychological Assoc.
(APA), Los Angeles, CA, Aug., 1985.
- Eitelberg, M J
The implications of changing military enlistment test
norms in 1985
Ann. Mtg. of the Am. Psychological Assoc. (APA), Los
Angeles, Calif., August, 1985.
- Eitelberg, M J
And they shall turn their guns into umbrellas: Today's
high-tech military and its changing workforce
47th Nat. Conf. of the Am. Soc. for Public
Administration (ASPA), Anaheim, CA, Apr., 1986.
- Eitelberg, M J
Job placement in today's military: Who gets what and
why (and, boy, have times changed)
94th Annual Conv. of the Am. Psychological Assoc.
(APA), Washington, DC, Aug., 1986.
- Euske, K J; Ansari, S L
The use of the accounting system for measuring
productivity in a large scale organization
17th Annual Nat. Amer. Inst. for Decision Sciences
Conf., Las Vegas, Nevada, Nov. 11-13, 1985.
- Euske, K J; Bayless, J
Options theory: A complement to strategic planning
Decision Sciences Institute Annual Meeting, Honolulu,
HA, 1986.
- Euske, K J; Thomas, G W; Smith, D F
Estimating relationships in simulation models using
regression: An application to military retirement
costing
ORSA/TIMS Joint Nat. Mtg., Miami Beach, FL, Oct.
27-29, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONFERENCE PRESENTATIONS (cont'd)

- Euske, N A; Euske, K J
Non-profit organizations viewed from the institutional perspective
Decision Sciences Institute Annual Meeting, Honolulu, HA, November, 1986.
- Goral, J R
The DoD Personnel Security Research Program: Initial USAF findings and future areas of study
1984 Worldwide Information Security Workshop, Kirtland Air Force Base, N. M., Oct. 29 - Nov. 2, 1984.
- Greer, W R; Liao, S S
An analysis of defense business profitability and its impact on weapon system acquisition policy
Amer. Inst. for Decision Sciences 1985 Annual Mtg., Las Vegas, NV, Nov., 1985.
- Henderson, D R
The international energy agency's oil-sharing agreement: Who shares with whom
Assoc. for Public Policy Analysis and Management Annual Meetings, Austin, TX, October, 1986.
- Henderson, D R
Pay comparability: A case study of U.S. Navy versus civilian pilots
ORSA/TIMS Joint Natl. Meeting, New Orleans, LA, May, 1987.
- Henderson, D R
The perverse economic effects of a variable import fee on oil
Western Economic Assoc. Intl. Ann. Mtgs., Vancouver, Canada, July, 1987.
- La Patra, J W; Pierson, C E
Increasing the survivability of an emergency communications network by using redundant routing
IEEE Int. Conf. on Systems, Man and Cybernetics, Tucson, Ariz., Nov., 1985.
- Lamm, D V
Acquisition strategy
1985 Federal Acquisition Res. Symp., Richmond, VA, Nov. 22, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS (cont'd)

- Lamm, D V
Cost and pricing aspects in preparation for negotiations
Back to Basics: Nat. Contract Manage. Assoc.
Portland/Vancouver Chapter 1985 Educational Conf.,
Portland, Or., Apr. 12, 1985.
- Lamm, D V
Negotiations: Does everyone win?
Golden Gate Hospital Purchasing Assoc. 3rd Ann.
Educational Seminar, Oakland, Ca., Apr. 26, 1985.
- Lamm, D V
State and local government purchasing
Western Regional Conf. Am. Soc. for Public
Administration, Monterey Conf. Center, Monterey, CA,
Oct. 16-18, 1985.
- Lamm, D V
Acquisition strategy
TIMS/ORSA Joint Nat. Mtg., Los Angeles, CA, Apr.
14-16, 1986.
- Liao, S S
An analysis of competitive major weapon systems
procurement
Amer. Soc. of Public Administration Western Regional
Mtg., Monterey, CA, Nov., 1985.
- Liao, S S
Analytical techniques for financial planning and control
Amer. Inst. for Decision Sciences 1985 Annual Mtg.,
Las Vegas, NV, Nov., 1985.
- Liao, S S; Greer, W R
Competitive weapon systems procurement: A summary and
evaluation of recent research
Nat. Contract Manage. J., vol. 17, no. 2, (Winter,
1984).
- McCaffery, J L
Comparison of state and provincial budget systems with
Ontario and California used as models
Workshop on Comparative Canada/U.S. Public Policy,
Univ. of Calif. - Berkeley, Apr. 22-23, 1985.
- McMasters, A W
A multi-period repair parts inventory model for a Navy
repair depot
1984 Joint ORSA/TIMS Nat. Mtg., Dallas, Tex., Nov.
26-28, 1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS (cont'd)

- McMasters, A W
A new wholesale replenishment model for the U.S. Navy
TIMS/ORSA New Orleans Joint Nat. Mtg., New Orleans,
LA, May, 1987.
- Mehay, S L; Gonzalez, R
An analysis of minority employment in public occupations
Public Choice Soc. Annual Meetings, Baltimore, MD,
Mar., 1986.
- Mehay, S L; Gonzalez, R
Bureaucracy, excess supply, and discrimination in local
public employment
Southwestern Social Sci. Asso. Annual Meetings, San
Antonio, TX, Mar. 1986.
- Mehay, S L; Gonzalez, R
Employment patterns in municipal government
Western Econ. Asso. Annual Meetings, San Francisco,
CA, Jul, 1986.
- Mehay, S L; Gonzalez, R
Municipal annexation and interjurisdictional mobility
Western Regional Sci. Asso., 25th Annual Mtg., Laguna
Beach, CA, Feb. 1986.
- Moore, T P
A classification hierarchy for repairable equipment
logistic systems
TIMS/ORSA Joint Nat. Mtg., Boston, MA, Apr. 29 - May
1, 1985.
- Moore, T P
Modeling multiple repairable equipment and logistic
systems
Soc. of Logistics Engineers 20th Int. Symp., San
Diego, CA, Aug. 20-22, 1985.
- Moses, O D
Income strategy and nontax influences on the switch to
LIFO
Am. Accounting Asso. Western Regional Mtg., Costa
Mesa, CA, Apr., 1986.
- Moses, O D
Analysts' earnings forecasts: An alternative data
source for failure prediction
Am. Accounting Assoc. Mid Atlantic Regional Mtg.,
Atlantic City, NJ, April, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONFERENCE PRESENTATIONS (cont'd)

- Moses, O D
The effect of financial condition on product pricing
strategy
American Accounting Assoc. Ann. Meeting, Cincinnati,
OH, August, 1987.
- Nieboer-Turpin, N A
Project Interest Inventory: An overview
Am. Vocational Assoc. Ann. Conv., New Orleans, La.,
Dec., 1984.
- Nieboer-Turpin, N A
Testing and career guidance: A military connection
Am. Assoc. for Counseling and Develop. Ann. Conv.,
New York, N. Y., Apr., 1985.
- Raghu Sing, R; Schneidewind
Concept of a software quality metrics standard
31st IEEE Computer Soc. Int. Con., San Francisco,
CA, Mar. 3-6, 1986.
- Roberts, B J
Managerial excellence in the military: Enhancing
efficiency and effectiveness
Am. Soc. for Public Administration, Regions IX and X,
Western Governmental Res. Assoc., Monterey, CA, Oct.,
1985.
- Roberts, B J; Eoyang, C K
Humanizing warriors: Organization development and the
military
Int'l. Conf. on Organizational Symbolism and
Corporate Culture, Montreal, Canada, 1986.
- Roberts, B J; Eoyang, C K
Humanizing Warriors: Organizational development and the
military
The Int. Conf. on Organization Symbolism and
Corporate Culture, Montreal, Canada, June 25-27,
1986.
- Roberts, N C
Holonomic power structures & Cognitive maps
Sunbelt VI Social Network Conf., Santa Barbara, CA,
Feb. 13-16, 1986.
- San Miguel, J G
Budgetary processes for management control in U.S.
companies
College on Manage. Controls, ORSA/TIMS Nat. Mtg.,
Atlanta, GA, Nov. 4-6, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS (Cont'd)

- Schneidewind
Application of software quality standards to the
acquisition and development phases
DoD Software Technol. for Adaptable, Reliable Systems
(STARS) Business Practices Area Manage. Workshop, Los
Angeles, CA, Nov. 18-22, (1985).
- Schneidewind
Design optimization session
Pacific Computer Communications Symp., Seoul,
Republic of Korea, Oct. 21-25, 1985.
- Schneidewind
Distributed system software design paradigm with
application to computer networks
Pacific Computer Communications Symp., Seoul,
Republic of Korea, Oct. 21-25, 1985.
- Schneidewind
Panel session: Software from here to eternity
Conf. on Software Maintenance-1985, Washington, DC,
Nov. 11-13, 1985.
- Schneidewind
Tutorial on software engineering for distributed
computing systems
Pacific Computer Communications Symp., Seoul,
Republic of Korea, Oct. 21, 1985.
- Schneidewind
Quality metrics standards applied to software
maintenance
Computer Standards Conf. 1986, San Francisco, CA, May
13-15, 1986.
- Schneidewind
How the IEEE standard (draft) for a software quality
metrics methodology could assist in achieving
maintainable software
Conf. on Software Maintenance- 1987, Austin, TX,
September, 1987.
- Schneidewind
Plenary panel session perspectives on software
maintenance
Conf. on Software Maintenance- 1987, Austin, TX,
September, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS (cont'd)

Schneidewind

The IEEE software quality metrics draft standard:
Emphasis on s/w maintainability
5th Ann. Log. Symp., San Francisco Bay Area Chapter,
SOLE and Dept. of Admin. Sciences, Naval Postgraduate
School, Monterey, CA, May, 1987.

Schneidewind, N F

Future of networking (Panel member)
National Computer Conference, Chicago, Ill., July 18,
1985.

Sivasankaran; Bui, T

A rule-based Bayesian architecture for monitoring
learning process in ICAI systems
IEEE Int. Conf. on Systems, Man and Cybernetics,
Atlanta, GA, Oct. 14-17, 1986

Sivasankaran; Bui, T

A distributed ES architecture for strategic decision
making
Jt Natl. Meeting of TIMS/ORSA, New Orleans, LA, May,
1987.

Sivasankaran; Bui, T

An ES to detect espionage activities through the
analysis of individual financial profiles
Western Conf. on Expert Systems, Anaheim, CA, June,
1987.

Sivasankaran; Bui, T

Coupling ES with DBMS in a computer-aided defense
instructional environment
Technology in Training and Education Conf., Colorado
Springs, CO, March, 1987.

Sivasankaran; Bui, T

Identifying organizational opportunities for GDSS use:
Some experimental evidence
Seventh Intl. Conf. on Decision Support Systems, San
Francisco, CA, June, 1987.

Sivasankaran; Bui, T

Integrating modular design with adaptive design in DSS
prototyping: An archipelagian approach
Hawaiian Conf. on Systems Sciences, Hawaii, January,
1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS (cont'd)

- Sivasankaran; Ruby, R
A design--theoretic approach for a network based
intelligent instructional system
Air Force Conf. on Technol. in Training and Educ.,
Montgomery, AL, Mar. 10-13, 1986.
- Sivasankaran; Ruby, R
Participative multi-role instruction in a distributed
knowledge-base environment
28th Int. Conf. on Computer-based Educ. and training,
Washington, DC, Nov. 10-13, 1986.
- Sivasankaran, T R
Intelligent model management for actuarial decision
support
ACM South-Central Conf., Austin, Tex., Nov., 1984.
- Sivasankaran, T R; Hinson, C
Role of artificial intelligence in text processing
instruction
DATACON Educators' and Trainers' Conf., St. Louis,
Mo., Sept., 1985.
- Sivasankaran, T R; Jarke, M
Knowledge-based approach for model management in an
actuarial consulting system
6th European Conf. on Artificial Intelligence, Pisa,
Italy, Sept., 1984.
- Sivasankaran, T R; Jarke, M
A knowledge-based statistical system for actuarial
consultation and tutoring
ACM Technical Symp. on Intelligent Systems: Their
Development and Application, Washington, D.C., June,
1985.
- Solnick, L M
Promotions, pay, performance ratings and voluntary
separations
12th Annual Convention, Eastern Econ. Asso.,
Philadelphia, PA, Apr., 1986.
- Solnick, L M
Educational background and job success among black
college graduates
Eastern Edconomic Assoc. 13th Ann. Meeting,
Washington, DC, March, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS (cont'd)

- Solnick, L M
Performance ratings, promotions, family status and
female quitting
TIMS/ORSA Joint Natl. Meeting, New Orleans, LA, May,
1987.
- Solnick, L M
Promotions, job tenure and quitting
Western Economic Assoc. Ann. Meeting, Vancouver, BC,
July, 1987.
- Suchan, J
Group decision support systems: A communication
break-through or High-Tech barrier?
Am. Business Communications Int. conf., Los Angeles,
CA, Nov. 1986.
- Suchan, J
Role adoption: A new method for assessing the
writer-reader relationship in managerial communication
Am. Business Communication/Soc. for Technical
Communications Conf., Calgary, Alberta, Canada, Apr.,
1986.
- Suchan, J
The effect of high impact writing on the reader's image
of the writer.
Southwestern Federation of Administrative
Disciplines, Dallas, TX, Mar., 1986.
- Suchan, J
Businesspeople's resistance to the plain language
movement
The Assoc. for Business Communication West/Northwest
Conf., Monterey, CA, March, 1987.
- Suchan, J; Boya, U
Readability formulas and print ads: Problems and a new
approach.
Am. Marketing Asso. Educators' Conf., Chicago, IL,
Aug., 1986.
- Suchan, J; Bui, T; Dolk, D R
GDSS effectiveness: Identifying organizational
opportunities
20th Hawaii Intl. Conf. on System Sciences, Kona, HI,
January, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONFERENCE PRESENTATIONS (cont'd)

- Suchan, J; Colucci, R J
Attributes public sector professionals ascribe to
writers of high impact and bureaucratic communications
The Assoc. of Business Communication Intl. Conf.,
Atlanta, GA, October, 1987.
- Thomas, G W
Family human capital formation and organizational
following: U.S. military officers
Eastern Econ. Asso. Nat. Mtg., Philadelphia, PA, Apr.
1986.
- Thomas, G W; Borack, J I; Mehay, S L
Modeling local labor market potential of the U.S. Army
Reserves
Inst. of Manage. Sci. 27th Int. Mtg., Gold Coast,
Australia, July, 1986.
- Thomas, K W
An overview of conflict and conflict management
Organizational Conflict: Looking Back, Looking
Forward, First Intl. Conf. of the Conflict
Management, Fairfax, VA, June, 1987.
- Thomas, K W
Norms as an integrating theme in conflict management:
Correcting our sociopathic assumptions
First Intl. Conf. of the Conflict Management Group,
Fairfax, VA, June, 1987.
- Thomas, K W; Velthouse, B A
The compatibility of individual empowerment and
organizational performance: Two levels of analysis
Ann. Meeting of the Academy of Management, New
Orleans, LA, August, 1987.
- Weitzman, R A
Application of the Rasch model to multiple-choice tests
Military Testing Assoc. Conf., Munich, F. R. G.,
Nov., 1984.
- Weitzman, R A
Stepwise pattern analysis of Navy attrition data
Am. Psychological Assoc., Los Angeles, Calif., Aug.,
1985.
- Weitzman, R A
UML and CML Rasch calibration of multiple-choice items
Psychometric Soc. Mtg., Nashville, Tenn., June, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
CONTRIBUTIONS TO BOOKS

- Binkin, M; Eitelberg, M J
Women and minorities in the all-volunteer force
IN W. Bowman, R. Little, and G.T. Sicilia, eds.:
The All-Volunteer Force after a Decade:
Retrospect and Prospect, New York, NY,
Pergamon-Brassey's, 1986, p. 73-102.
- Boger, D C
Measuring private and social costs in inland waterway
freight transportation
IN T. E. Keeler, ed.: Research in transportation
economics, vol. 2, JAI Press, 1985, p. 229-267.
- Bui, T
Planejamento executivo com BASIC
Rio de Janeiro, Brazil, Livros Tecnicos e Cientificos
Editora S.A., 1986. 160 p.
- Ein-Dor, P; Jones, C R
Information systems management: Analytical tools and
techniques
Elsevier, New York, N.Y., 1985. 288 p.
- Eitelberg, M J
Military representation and race in the AVF
IN A. N. Sabrosky and K. Barlow, eds.: The
Eagle's brood: Civil-military relations in the
1980s, Boulder, Colo., Westview Press, 1984.
- Euske, K J
Management control: Planning, control, evaluation and
measurement
Reading, Mass., Addison, Wesley Publ. Co., 1984. 150
p.
- Evered, R
Transferring managerial and organizational research:
Creating a science that works
IN Tannenbaum, et al., eds.: Human Systems
Development, Jossey-Bass, 1985, p. 419-457.
- Greer, W R; Liao, S S
A new look at risk and profitability in defense
contracting
IN J. Whelan, Ed.: Yearbook of procurement
articles, Federal Publications, Inc., 1985. P.
637-646.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONTRIBUTIONS TO BOOKS

(cont'd)

- Jarke, M; Bui, T; Jelassi, T
Micro-mainframe link in group decision support systems
IN M. Jarke, ed.: Managers, Micros and
Mainframes, New York, NY, John Wiley and Sons,
1986, p. 205-218.
- Liao, S S
Analytical techniques for financial control and planning
IN T. J. Burns, ed.: Accounting trend, McGraw-Hill,
1987, p. 40-42.
- Mehay, S L
Modeling local market potential for the U.S. Army
reserve
IN H W Sinaiko and K J Coffey, eds: Reserve
Manpower, Personnel, and Training Research,
Smithsonian Institution, 1986, p. 31-35.
- Mehay, S L; Gonzales, R
Consumption and production economies for local
government services
IN John Quigley, ed.: Perspectives on local
public finance and public policy, Greenwich,
CT, JAI Press, 1985.
- San Miguel, J
Case studies: NCR Corp., Leasco Corp., H.J. Heinz Co.
IN Kenneth Ferris, ed: Corporation financial
reporting, Business Publications, Inc., 1986.
- San Miguel, J G
H. J. Heinz Company
IN K. R. Ferris, ed.: Financial accounting and
corporate reporting: A casebook, Business
Publications, Inc., 1985.
- San Miguel, J G
Leasco corporation
IN K. R. Ferris, ed: Financial accounting and
corporate reporting: A casebook, Business
Publications Inc., 1985.
- San Miguel, J G
NCR Corporation
IN K. R. Ferris, ed.: Financial accounting and
corporate reporting: A casebook, Business
Publications, Inc., 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

CONTRIBUTIONS TO BOOKS (cont'd)

- Schneidewind
Tutorial on software engineering for distributed
computing systems
Seoul, Republic of Korea, Korea Advanced Inst. of
Sci. and Technol., 1985. 75 p.
- Schneidewind, N F
Interconnecting local networks to long-distance networks
IN W. Stallings, ed.: Tutorial--Local network
technology, 2nd ed., IEEE Computer Soc. Press,
1985, p. 356-365.
- Schneidewind, N F
Local area networks
IN Yearbook of science and technology (1986),
McGraw-Hill, 1985, p. 259-262.
- Sivasankaran
Coupling expert systems and actuarial pricing models
IN J. Kowalik, ed.: Coupling symbolic and
numerical computing in expert systems,
North-Holland, 1986, p. 263-271.
- Weitzman, R A
Review of the Armed Services Vocational Aptitude Battery
IN Ninth mental measurements yearbook, Univ. of
Nebraska Press, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
PUBLISHED PAPERS

- Abdel-Hamid, T; Madnick, S E
Impact of schedule estimation on software project
behavior
IEEE Software, July, 1986.
- Abdel-Hamid, T K; Madnick, S E
The economics of software quality assurance: A system
dynamics simulation approach
The Annals of the Soc. of Logistics Engineers, vol.
I, no. 2, (October, 1987).
- Agee, M H; Brammer, K W; Fabrycky, W J; Malmborg, C J;
Moore, T P
Predicting life cycle cost and maintenance requirements
Federal Acquisition Res. Symp., Fort Belvoir, VA,
1985.
IN Proc. Federal Acquisitions Res. Symp., p.
321-325, (1985).
- Arnold, R S; Schneidewind, N F; Zvegintzov, N
Software maintenance workshop
Communications of the Assoc. for Computing Machine.,
vol. 27, no. 11, p. 1120-1121, (Nov., 1984).
- Boger, D C
Statistical modeling of overhead costs
Eng. Costs and Production Economics, vol. 8, no. 3,
p. 145-166, (Dec., 1984).
- Boger, D C
Statistical models for predicting overhead costs
1985 Federal Acquisition Res. Symp., Richmond, VA,
Nov. 20-22, 1985.
IN Proc. Defense Systems Manage. College, p.
259-263, (1985).
- Boger, D C
Evaluation of alternative techniques for predicting
aerospace contractor overhead costs
DoD Cost Analysis Symposium, Leesburg, VA, September,
1987.
IN Proc., USAF OCA, (1987).
- Boger, D C; Greer, W R; Liao, S S
Dual sourcing and cost savings
1985 Federal Acquisition Res. Symp., Richmond, VA,
Nov. 20-22, 1985.
IN Proc. Defense Systems Manage. College, p.
179-198, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Boger, D C; Liao, S S
Estimating nonrecurring costs for dual sourcing
decisions
J. of Parametrics, vol. 6, no. 2, p. 66-78, (June,
1986).
- Boger, D C; Liao, S S
An analysis of dual awards quantity-split models
Program Manager, vol. 16, no. 2, p. 30-37,
(March-April, 1987).
- Boger, D C; Lyons, N R
The organization of the software quality assurance
process
Database, p. 11-16, (Winter, 1985).
- Boger, D C; Myers, C F
Measuring the effects of competition on motor carrier
rates: DoD's guaranteed traffic program
1986 Annual Mtg. Transportation Res. Forum, Seattle,
WA, Sep. 21-24, 1986.
IN Proc., Transportation Res. Forum, vol. 27, no.
1, p. 172-180, (1986).
- Bromiley, P; Euske, K J
The use of rational systems in bounded rationality
organizations: A dilemma for financial managers
Financial Accountability & Management, vol. 2 no. 4,
p. 311-320, (Winter, 1986).
- Brubaker, E R
Efficient allocation and unanimous consent with
incomplete demand disclosures
Public Choice, vol. 48, no. 3, p. 217-227, (1986).
- Bui, T
Building effective multiple criteria decision models: A
decision support system approach
Systems, Objectives, Solutions, vol. 4, p. 1-13,
(1984).
- Bui, T
A consensus seeking algorithm for group decision support
systems
IN Proc., IEEE Int. Conf. on Systems, Man and
Cybernetics, (Nov., 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Bui, T; Jarke, M
A decision support system for cooperative multiple
criteria group decision making
5th Int. Conf. on Information Systems, Tucson, Ariz.,
Nov., 1984.
IN Proc. TIMS and Soc. of Information Systems, p.
101-113, (Nov., 1984).
- Bui, T; Jarke, M
Design of communications protocols in group decision
support systems
19th Hawaii Int. Conf. on System Sciences (HICSS),
Honolulu, HI, Jan. 7-10, 1986.
IN Proc. 1986 Hawaii Conf. on System Sciences,
vol. 19-1A, (Jan., 1986).
- Bui, T; Jarke, M
Communications design of Co-oP: A group decision
support system
ACM Transactions on Office Information Systems, vol.
4, no. 2, (Apr., 1986).
- Bui, T; Jarke, M
Communications requirements for group decision support
systems
J. of Manage. Information Systems, vol. 2, no. 4,
(Spring, 1986).
- Bui, T; Sivasankaran, T
Cost-effectiveness modeling for a decision support
system in computer security
Computers and Security, vol. 5, no. 4, (Dec., 1986).
- Bui, T; Sivasankaran, T R
A Bayesian diagnostic model for intelligent CAI systems
IN Proc., 1985 IEEE Int. Conf. on Systems, Man
and Cybernetics, (Oct., 1986).
- Chang, D; Liao, S S
Forecasting and control of accounts receivable
characterized by unstable payment
Advances in Financial Planning and Forecasting, vol.
1, p. 241-264, (1985).
- Cooper, C G; Fischbeck, P S; Jones, C R
Message screening board automation: A knowledge
engineered approach
DSS-86, Washington, DC, Apr. 21-24, 1986.
IN DSS-86 Trans., Inst. of Manage. Sciences, p.
261-270, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
PUBLISHED PAPERS (cont'd)

- Dolk, D R
A general model management system for mathematical programming
ACM Trans. on Mathematical Software, (Sep., 1986).
- Dolk, D R
Data as models: An approach to implementing model management
Decision Support Systems, vol. 2, p. 73-80, (1986).
- Dolk, D R; Kirsch, R A
A relational information resource dictionary system
Communications of the ACM, vol. 30, no. 1, p. 48-61, (January, 1987).
- Dolk, D R; Konsynski, B R
Knowledge representation for model management systems
IEEE Trans. Software Eng., vol. 10, no. 6, p. 619-627, (Nov., 1984).
- Dolk, D R; Noel, A F
A relational dictionary prototype for implementing model management
HICSS - 19, Honolulu, HI, 1986.
IN Proc., 19th Hawaii Int. Conf. on System Sciences 1986, Western Periodicals Co., p. 405-415. (1986).
- Dykes, J M; Liao, S S
Internal auditing in local governmental unit
Government Accountants J., vol. 33, no. 4, p. 23-29, (Winter, 1984-85).
- Eitelberg, M J
Historical data on Hispanics in the U. S. military
Workshop: Hispanic Subpopulations and Naval Service, Washington, D.C., Dec. 11, 1984.
IN Proc., Hispanic subpopulations and Naval service, Smithsonian Institution, (SI/MRAS/TR-11), 26 p. (May, 1985).
- Eitelberg, M J
Implications of the new ASVAB reference population:
Discussant remarks
IN Implications of a New ASVAB Reference Population on Military Manpower. Office of the Sec. of Defense, Technical Memorandum 85-2, p. 30-38, (Sep., 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Euske, K J; Ansari, S L
The use of the accounting system for measuring
productivity in a large scale organization
17th Annual Nat. Amer. Inst. for Decision Sciences
Conf., Las Vegas, Nevada, Nov. 11-13, 1985.
IN Proc. Amer. Inst. for Decision Sciences,
(1985).
- Euske, K J; Blondin, P
Accrual accounting in a federal agency
Government Accountant's J., vol. 34, no. 3, p. 42-45,
(Fall, 1985).
- Euske, K J; Hopper, J
Facilitating the identification and evaluation of
objectives
Cost and Manage., vol. 59, no. 4, p. 36-40,
(July-Aug., 1985).
- Euske, N A; Euske, K J
Non-profit organizations viewed from the institutional
perspective
Decision Sciences Institute Annual Meeting, Honolulu,
HA, November, 1986.
IN Proc., DSI, (1986).
- Fremgen, J M
On the role of depreciation in governmental accounting
Government Accountants J., vol. 34, no. 4, p. 10-23,
(Winter, 1985-86).
- Greer, W R; Liao, S S
An analysis of defense business profitability and its
impact on weapon system acquisition policy
Amer. Inst. for Decision Sciences 1985 Annual Mtg.,
Las Vegas, NV, Nov. 1985.
IN Proc. Amer. Inst. for Decision Sciences, p.
686-688, (Nov., 1985).
- Greer, W R; Liao, S S
An analysis of risk and return in the defense market:
Its impact on weapon system competition
Manage. Sci., vol. 32, no. 10, p. 1259-1273, (Oct.,
1986).
- Greer, W R; Liao, S S
An analysis of risk and return in the defense market:
Its impact on weapon system competition
Management Science, vol. 32, no. 10, p. 1259-73,
(Oct., 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Greer, W R; Liao, S s
Forecasting capacity and capacity utilization in the
U.S. aerospace industry
J. of Forecasting, vol. 5, no. 1, p. 57-67,
(Jan.-Mar., 1986).
- Greer, W R; Rockness, H O
Management decision support system for a medical group
practice
J. of Information Systems, vol. 1, no. 2, p. 65-79,
(Spring, 1987).
- Henderson, D R
Response to Letter to the editor
Fortune, vol. 112, no. 4, p. 22-23, (Aug. 19, 1985.)
- Henderson, D R
Response to Letter to the editor
Regulation, vol. 9, no. 3, p. 52, (May/June, 1985).
- Henderson, D R
Tax code helps oil industry? Give me a break
Wall Street Journal, (July 16, 1985).
- Henderson, D R
The economics of fuel economy standards
Regulation, vol. 9, no. 1, p. 45-48, (Jan./Feb.,
1985).
- Henderson, D R
The international energy agency's oil-sharing agreement:
Who shares with whom?
Energy Journal, vol. 8, no. 4, (October, 1987).
- Herring, D L; Liao, S S
Commodity price forecasting
J. of Business Forecasting, vol. 5, no. 2, p. 18-20,
(Summer, 1986).
- La Patra, J W; Pierson, C E
Mixed media routing as a strategy to enhance emergency
communication network survival
IEEE Global Telecommunications Conf., New Orleans,
La., Dec., 1985.
IN Proc., (1985).
- Lamm, D V
Progress on five educational fronts
Contract Manage., vol. 24, no. 10, p. 30 - 31, (Oct.,
1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Lamm, D V
Acquisition strategy
1985 Federal Acquisition Res. Symp., Richmond, VA,
Nov. 22, 1985.
IN Proc., 1985 Federal Acquisition Re. Symp., p.
71-77, (1985).
- Lamm, D V
Education and certification
Contract Manage., vol. 25, no. 1, p. 32, (Jan.,
1985).
- Lamm, D V
The professional body of knowledge
Contract Manage., vol. 25, no. 6, p. 30-31, (June,
1985).
- Lamm, D V
Acquisition Strategy
Government Contracts Service, Issue 19-86, p. C1-C6,
(October, 1986).
- Lamm, D V
Why companies refuse Department of Defense contracts:
An analysis of reasons and rationale
National Contract Management J., vol. 21, Issue 2,
(Winter, 1987).
- Lamm, D V; Tracy, E A
Loss of manufacturing sources: An analysis of
alternative solutions
National Contract Management J., vol. 21, Issue 1, p.
35-44, (Summer, 1987).
- Liao, S S
Analytical techniques for financial planning and control
Amer. Inst. for Decision Sciences 1985 Annual Mtg.,
Las Vegas, NV, Nov. 1985.
IN Proc., Amer. Inst. for Decision Sciences, p.
192-194, (Nov., 1985).
- Liao, S S
Forecasting program of two decomposition methods
J. of Business Forecasting, vol. 4, no. 2, p. 29-32,
(Summer, 1985).
- Liao, S S
Managing accounts receivable through payment pattern
analysis
Cost and Manage., vol. 59, no. 2, p. 30-33,
(Mar./Apr., 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Liao, S S; Thomas, G W
A personnel planning model: Estimating the turnover
among experienced military employees
Defense Analysis, vol. 1, no. 4, (1985).
- McCaffery, J L
Canada's envelope budget: A strategic management system
Public Administration Rev., vol. 44, no. 4, p.
316-323, (July/Aug., 1984).
- McCaffery, J L
Expertise, momentum and innovation: The logic for a
productivity bank
Nat. Civic Rev., vol. 77, no. 1, p. 21-26, (Jan.,
1985).
- McMasters, A W
A multi-period repair parts inventory model for a Navy
repair depot
1984 Joint ORSA/TIMS Nat. Mtg., Dallas, Tex., Nov.
26-28, 1984.
IN ORSA/TIMS Bull. no. 18, p. 247, (Sept., 1984).
- Mehay, S L; Deno, K
Institutional constraints on local jurisdiction
formation
Public Finance Q., vol. 13, no. 4, p. 450-463, (Oct.,
1985).
- Mehay, S L; Gonzalez, R
Economic incentives under contract supply of public
services
Public Choice, vol. 46, no. 1, p. 79-86, (1985).
- Mehay, S L; Gonzalez, R
The relative effect of unionization and
interjurisdictional competition on municipal wage levels
J. of Labor Res., vol. 7, no. 1, p. 79-93, (Winter,
1986).
- Mehay, S L; Seiden, K
Municipal Residency Laws and local public budgets
Public Choice, vol. 48, no. 1, p. 27-35, (1986).
- Moore, T P
Modeling multiple repairable equipment and logistic
systems
Soc. of Logistics Engineers 20th Int. Symp., San
Diego, CA, Aug. 20-22, 1985.
IN Proc. Soc. of Logistics Engineers, p. Moore
1-8, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Moore, T P
Optimal design and operation of logistic systems
comprised of finite populations of repairable equipment
The Annals of the Soc. of Logistics Engineers, vol.
1, no. 1, p. 86-90, (October, 1986).
- Moses, O D
Rationality, ambiguity and management information
systems
Business Forum, vol. 9, no. 4, p. 8-11, (Fall, 1984).
- Moses, O D
Income strategy and nontax influences on the switch to
LIFO
Am. Accounting Asso. Western Region Mtg., Costa
Mesa, CA, Apr., 1986.
IN Economics of Accounting, Am. Accounting Asso.,
p. 132-141, (1986).
- Moses, O D
Income smoothing and incentives: Empirical tests using
accounting changes
The Accounting Review, vol. LXII, no. 2, p. 358-377,
(April, 1987).
- Moses, O D; Liao, S S
Predicting bankruptcy of private firms: A simplified
approach
Annual National Meeting of the Institute of Decision
Sciences, Honolulu, HA, November, 1986.
IN Proc., Institute of Decision Sciences, (1986).
- Moses, O D; Liao, S S
Predicting contractor financial stability: New insight
for source selection
Program Manager, (Nov.-Dec., 1986).
- Moses, O D; Liao, S S
On developing models for failure prediction
The J. of Commercial Bank Lending, vol. 69, no. 7, p.
27-38, (March, 1987).
- Moses, O D; McGrath, K
Financial condition and contractor pricing strategy
Program Manager, vol. 16, no. 5, p. 11-19, (Sept-Oct,
1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Nieboer-Turpin, N A
Project Interest Inventory: An overview
Am. Vocational Assoc. Ann. Conv., New Orleans, La.,
Dec. 1984.
IN Proc., Am. Vocational Assoc., (1985).
- Nieboer-Turpin, N A
Testing and career guidance: A military connection
Am. Assoc. for Counseling and Develop. Ann. Conv.,
New York, N. Y., Apr., 1985.
IN Proc., Am. Assoc. for Counseling and Develop.,
(1985).
- Raghu Singh, R; Schneidewind
Concept of a software quality metrics standard
31st IEEE Computer Soc. Int. Conf., San Francisco,
CA, Mar. 3-6, 1986.
IN Digest of Papers, IEEE Computer Soc., p.
362-368, (1986).
- Roberts, B J; Barko, W
Organizational effectiveness in the United States Army
Public Administration Quarterly, vol. 10, no. 3, p.
325-335, (Fall, 1986).
- Roberts, B J; Eoyang, C
Humanizing warriors: Organization development and the
military
J. of the Standing Conference on Organization
Symbolism, no. 5, p. 114-126, (1986).
- Roberts, B J; Eoyang, C K
Humanizing warriors: Organizational development and the
military
J. of the Standing Conf. on Organizational Symbolism,
no. 5, p. 114-126, (June, 1986).
- Roberts, N C
Transforming leadership: A process of collective action
Human Relations, vol. 38, no. 11, p. 1023-1046,
(1985).
- Roberts, N C
Power Styles: Collective and competitive power under
varying organizational conditions
J. Applied Behavior Sci., vol. 22, no. 4, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Schneidewind
Introducing the fundamental concepts series
IEEE Software, vol. 3, no. 6, p. 58-59, (Nov., 1986).
- Schneidewind
Application of software quality standards to the
acquisition and development phases
DoD Software Technol. for Adaptable, Reliable Systems
(STARS) Business Practice Area Manage. Workshop, Los
Angeles, CA, Nov. 18-22 (1985).
IN Workshop proc., DoD STARS Program Office,
(1986).
- Schneidewind
Quality metrics standards applied to software
maintenance
Computer Standards Con, May 13-15, 1986.
IN Proc. (Addendum), IEEE Computer Soc., (1986).
- Schneidewind
Introduction to the special section on software
maintenance
IEEE Transactions on Software Engineering, SE-13, no.
3, p. 301-302, (March, 1987).
- Schneidewind
The state of software maintenance
IEEE Transactions on Software Engineering, SE-13, no.
3, p. 303-310, (March, 1987).
- Schneidewind,
Distributed system software design paradigm with
application to computer networks
IEEE Global Telecommunications Conference, Houston,
TX, December, 1986.
IN IEEE Global Telecommunications Conf. Record,
vol. 3, IEEE, p. 168-1474, (1986).
- Schneidewind, N F
Future of networking (Panel member)
National Computer Conference, Chicago, Ill., July 18,
1985.
IN Proc., AFIPS Press, p. 648, (1985).
- Sivansankaran, Ruby, R
A distributed knowledge-base instructional environment
J. of computer Information Systems, vol. 28, no. 1,
p. 3-7, (Fall, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Sivasankaran; Bui, T
A rule-based Bayesian architecture for monitoring
learning process in ICAI systems
IEEE Int. Conf. on Systems, Man and Cybernetics,
Atlanta, GA, Oct. 14-17, 1986.
IN Proc. IEEE, p. 932-936, (Oct., 1986).
- Sivasankaran; Bui, T
A rule-based Bayesian architecture for monitoring
learning process in ICAI systems
IEEE Int'l. Conf. on Systems, Man and Cybernetics,
Atlanta, GA, October, 1986.
IN Proc., IEEE, p. 932-936, (1986).
- Sivasankaran; Bui, T
Coupling ES with DBMS in a computer-aided defense
instructional environment
Technology in Training and Education Conf., Colorado
Springs, CO, March, 1987.
IN Proc., TITE, (1987).
- Sivasankaran; Bui, T
Identifying organizational opportunities for GDSS use:
Some experimental evidence
Seventh Intl. Conf. on Decision Support Systems, San
Francisco, CA, June, 1987.
IN Proc., TIMS, p. 68-75, (1987).
- Sivasankaran; Bui, T
Integrating modular design with adaptive design in DSS
prototyping: An archipelagian approach
Hawaiian Conf. on System Sciences, Hawaii, Jan, 1987.
IN Proc., HCSS, IEEE, (1987).
- Sivasankaran; Bui, T
Cost effectiveness modeling for a decision support
system in computer security
Computers and Security, vol. 6, no. 2, p. 139-151,
(April, 1987).
- Sivasankaran; Ruby, R
Participative multi-role instruction in a distributed
knowledge-base environment
28th Int. Conf. on Computer-based Educ. and training,
Washington, DC, Nov. 10-13, 1986.
IN Proc., ADCIS, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Sivasankaran; Ruby, R
Participative multi-role instruction in a distributed
knowledge base environment
28th Int'l. Conf. on Computer-Based Instructional
Systems, Arlington, VA, November, 1986.
IN Proc., ADCIS, (1986).
- Sivasankaran; Ruby, R
Intelligent problem solving via model management
J. of Computer Information Systems, vol. 26, no. 2,
p. 7-11, (Winter 85-86).
- Sivasankaran; Ruby, R
A design-theoretic approach for a network based
intelligent instructional system
Air Force Conf. on Technol. in Training and Educ.,
Montgomery, AL, Mar. 10-13, 1986.
IN Proc., U.S. Air Force Academy, vol. III, p. 92-
93, (Mar. 1986).
- Sivasankaran; Ruby, R
A computerized advising system for enhancing academic
performance and improved choice of electives
J. of Education for Business, vol. 62, no. 6, p.
270-274, (March, 1987).
- Sivasankaran, T R
Intelligent model management for actuarial decision
support
ACM South-Central Conf., Austin, Tex., Nov., 1984.
IN Proc., (Nov., 1984).
- Sivasankaran, T R; Hinson, C
Role of artificial intelligence in text processing
instruction
DATACON Educators' and Trainers' Conf., St. Louis,
Mo., Sept., 1985.
IN Proc., ASM & DPMA, p. 56-62, (Sept., 1985).
- Sivasankaran, T R; Jarke, M
Knowledge-based approach for model management in an
actuarial consulting system
6th European Conf. on Artificial Intelligence, Pisa,
Italy, Sept., 1984.
IN Proc., (Sept., 1984)
- Sivasankaran, T R; Jarke, M
A knowledge-based statistical system for actuarial
consultation and tutoring
ACM Technical Symp. on Intelligent Systems: Their
Development and Application, Washington, D.C., June,
1985.
IN Proc., ACM, p. 129-133, (June, 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Suchan, J
Group decision support systems: A communication
breakthrough or a high-tech barrier
The Assoc. for Business Communication Int'l. Conf.,
Los Angeles, CA, November, 1986.
IN Proc., ABC, p. 86-96, (1986).
- Suchan, J; Boya, U
Readability formulas and print ads: Problems and a new
approach.
Am. Marketing Asso. Educators' Conf., Chicago, IL,
Aug., 1986.
IN Proc. AMA, p. 201-205, (1986).
- Suchan, J; Bui, T; Dolk, D R
GDSS effectiveness: Identifying organizational
opportunities
20th Hawaii Intl. Conf. on System Sciences, Kona, HI,
January, 1987.
IN Proc., ICSS, p. 441-449, (1987).
- Suchan, J; Colucci, R J
Attributes public sector professionals ascribe to
writers of high impact and bureaucratic communications
The Assoc. of Business Communication Intl. Conf.,
Atlanta, GA, October, 1987.
IN Proc., ABC, (1987).
- Suchan, J; Dulek, R.
An empirical assessment of style: Trained and untrained
students' responses.
J. of Business Communication, vol. 23, no. 2, p.
57-65, (Spring, 1986).
- Suchan, J; Scott, C
Public sector collective bargaining agreements: How
readable are they?
Public Personnel Management, vol. 16, no. 1, p.
15-23, (Spring, 1987).
- Suchan, J; Scott, C.
Plain talk across the bargaining table: unclear
contract language and its effect on corporate culture
Business Horizons, vol. 29, no. 1, p. 20-25,
(Jan./Feb. 1986).
- Thomas, G W
Military parental effects and career orientation under
the AVF: Enlisted personnel
Armed Forces and Soc., vol. 10, no. 4, (1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

PUBLISHED PAPERS

(cont'd)

- Thomas, K W
Psychological resources for collaboration: Empowerment
as a conflict management intervention
4th Int'l Congress of French-Speaking Industrial
Psychologists, Quebec City, Canada, May, 1986.
IN Psychological Dimensions of New Technologies,
Univ. of Quebec Press, p. 13-23, (1987).
- Thomas, K W; Boone, L W; Velthouse, B A
An investigation of the effect of gender on managers'
use of power
Natl. Conf. of the Assoc. of Human Resources
Management and Organizational Behavior, New Orleans,
LA, November, 1986.
IN HRMOB Proc., p. 216-220, (1987).
- Weitzman, R A
Application of the Rasch model to multiple-choice tests
Military Testing Assoc. Conf., Munich, F. R. G.,
Nov. 1984.
IN Proc., (1984).
- Weitzman, R A
Test review of the Armed Services Vocational Aptitude
Battery
IN Ninth mental measurements yearbook, Buros
Inst. of Mental Measurements, Univ. of Nebraska
- Lincoln, 1985, p. 83-85.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
TECHNICAL REPORTS AND NOTES

- Abdel-Hamid, T K
On the portability of quantitative software estimation models
Sponsored by Naval Postgraduate School Foundation Research Program, (NPS-54-87-007), July, 1987. 30 p.
- Boger, D C; Jayachandran, T
Evaluating alternative long range forecasts of inflation
Prepared for Office of the Assistant Secretary of Defense (Comptroller), Washington, D.C. Naval Postgraduate School, (NPS-54-84-0021), July, 1984.
- Boger, D C; Jones, C R; Lyons, N R
Federal information systems management: Problems, solutions, and more problems
Naval Postgraduate School, (NPS-54-86-006), June 30, 1986. 26 p.
- Boger, D C; Liao, S S
An analysis of quantity-split and nonrecurring costs under competitive procurement environment: Part 1
Prepared for Naval Air Systems Command, Washington, D.C. Naval Postgraduate School, (NPS-54-85-08), Sept., 1985. 68 p.
- Boger, D C; Liao, S S
On the feasibility of creating a comparable database for nonrecurring cost analysis under dual source competition
Sponsored by Naval Air Systems Command, Cost Analysis Division, Washington, DC. Naval Postgraduate School, (NPS-54-87-004), May, 1987.
- Boger, D C; Myers, C F
DoD's guaranteed traffic program and motor carrier rates
Naval Postgraduate School, (NPS-54-86-007), June 30, 1986.
- Boger, D C; Washburn, A R
Notes from the Stockpile Seminar
Naval Postgraduate School, (NPS-55-85-014), Aug., 1985. 36 p.
- Borack, J; Mehay, S; Thomas, G W
Estimating local area manpower for the reserves
Prepared for U.S. Army Recruiting Command. Naval Postgraduate School, (NPS-54-85-006), Sept., 1985. 35 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
TECHNICAL REPORTS AND NOTES (cont'd)

- Borack, J; Mehay, S; Thomas, G W
Post high school market study plan
Prepared for U.S. Army Recruiting Command. Naval
Postgraduate School, (NPS-54-85-007), Sept., 1985.
58 p.
- Dolk, D R
A model management system for combat simulation
Sponsored by U.S. Army TRADOC Systems Analysis
Activity, White Sands Missile Range, NM. Naval
Postgraduate School, (NPS-54-86-014), Nov. 12, 1986.
71 p.
- Dolk, D R
A model management system for combat simulation
U.S. Army TRADOC Systems Analysis Activity, White
Sands Missile Range, NM, Naval Postgraduate School,
(NPS-54-86-014), November, 1986.
- Dolk, D R
Information resource management in the DCSPLANS branch
of the U.S. Army Military Personnel Center
Sponsored by U.S. Army Military Personnel Center,
Alexandria, VA. Naval Postgraduate School,
(NPS-54-86-016), November, 1986. 43 p.
- Eitelberg, M J
A comparison of current Army and Marine Corps recruit
quality requirements
Office of the Asst. Secty. of Defense, Force
Management and Personnel, (Special Report to
Congress), May, 1986.
- Eitelberg, M J
Population representation in the active duty military
services, FY 1985
Office of the Asst. Secty. of Defense, Force
Management and Personnel, (Annual Report to
Congress), June 1986.
- Eitelberg, M J
Representation and race in America's volunteer military
Sponsored by Office of the Assist. Sec. of Defense
(Force Management and Personnel). Naval Postgraduate
School, (NPS-54-86-010), Sep., 1986. 110 p.
- Eitelberg, M J; ed.
Population representation in the active duty military
services, FY 1984
Office of the Asst. Secty. of Defense for Manpower,
Installations, and Logistics, (Rep. to Congress),
June, 1985. 63 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
TECHNICAL REPORTS AND NOTES (cont'd)

- Euske, K J; Thomas, G W; Smith, D F
Estimating parametric relationships endogenous to
simulation models: An example using military retirement
costing
Naval Postgraduate School, (NPS-54-85-009), Aug.,
1985.
- Euske, K J; Wheeler, G M; Mullane, J F
An analysis of evaluator bias in the Marine Corps Combat
Readiness Evaluation System
Naval Postgraduate School, (NPS-54-84-016), Aug.,
1985.
- Goral, J R
DIS investigations and clearance eligibility of Air
Force enlistees requiring BIs and SBIs
Office of the Deputy UnderSecretary of Defense for
Policy, (PSRP no. 85-1), Oct., 1984. 9 p.
- Goral, J R
Identification of unnecessary background investigations
Office of The Deputy UnderSecretary of Defense for
Policy, (PSRP no. 85-3), Dec., 1984, 6 p.
- Goral, J R
Personnel security investigations: Service differences
for similar occupations
Office of the Deputy UnderSecretary of Defense for
Policy, (PSRP no. 85-4), Dec., 1984. 10 p.
- Goral, J R
The DoD Personnel Security Research Program: Initial
Air Force findings and future areas of study
Office of the Deputy UnderSecretary of Defense for
Policy, (PSRP no. 85-2), Nov., 1984. 18 p.
- Goral, J R
A census of key data elements in the Defense Central
Index of Investigations (As of 1 April 1985)
Office of The Deputy UnderSecretary of Defense for
Policy, (PSRP no. 85-9), June, 1985. 17 p.
- Goral, J R
Cleaning up the periodic review backlog: Estimates of
the numbers and location of military subjects
Office of the Deputy UnderSecretary of Defense for
Policy, (PSRP no. 85-10), Aug., 1985. 17 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

- Goral, J R
Continued top secret and SCI status of former Air Force personnel with unsuitability discharges
Office of The Deputy UnderSecretary of Defense for Policy, (PSRP no. 85-7), Apr., 1985. 9 p.
- Goral, J R
Extent of national agency checks on active military personnel
Office of The Deputy UnderSecretary of Defense for Policy, (PSRP no. 85-11), Sept., 1985. 15 p.
- Goral, J R
Most recent DIS investigation and clearance information in the DCII at the beginning of fiscal year 1985
Office of The Deputy UnderSecretary of Defense for Policy, (PSRP no. 85-5), Mar., 1985. 18 p.
- Goral, J R
Number and locations of DoD civilian employees likely to require security investigation updates by the end of fiscal year 1986
Office of the Deputy UnderSecretary of Defense for Policy, (PSRP no. 85-12), Sept., 1985. 14 p.
- Goral, J R
Pinpointing the location of potential military periodic review subjects
Office of the Deputy UnderSecretary of Defense for Policy, (PSRP no. 85-14), Sept., 1985. 12 p.
- Goral, J R
Security investigations and clearances in the DCII at the end of fiscal year 1984: A profile of 2.1 million active duty military personnel
Office of the Deputy UnderSecretary of Defense for Policy, (PSRP no. 85-8), May, 1985. 17 p.
- Goral, J R
Use of DISCO files to identify and locate potential periodic review subjects
Office of the Deputy UnderSecretary of Defense for Policy, (PSRP no. 85-13), Sept., 1985. 12 p.
- Gullickson, G G; Chenette, R D; Harris, R T
Excellence in the Surface Navy: Final report from January 1984 to June 1984
Prepared for Naval Military Personnel Command (N-6), Washington, D.C. Naval Postgraduate School, (NPS-54-84-026), Oct. 22, 1984. 269 p

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
TECHNICAL REPORTS AND NOTES (cont'd)

- Henderson, D R
Achieving level-loaded accessions in the Navy: Uniform
versus targeted bonuses
Deputy Chief of Naval Operations for Manpower
Personnel and Training, (Technical rep.), Mar., 1985.
11 p.
- Lamm, D V
An analysis of reasons companies refuse to participate
in defense business
Sponsored by Naval Postgraduate School Foundation
Research Program, Monterey, CA. (NPS-54-87-003),
March, 1987. 102 p.
- Lamm, D V; Park, S A
Contracting as a science
Sponsored by Naval Postgraduate School, Monterey, CA.
(NPS-54-87-001), January, 1987. 39 p.
- Lamm, D V; Tracy, E Q
Loss of manufacturing sources: An analysis of
alternative solutions
Sponsored by Naval Postgraduate School, Monterey, CA.
(NPS-54-87-002), March, 1987. 32 p.
- Lyons, N R
A decision support system for the national
communications system
Sponsored by Nat. Communications System, Arlington,
VA, Naval Postgraduate School, (NPS-54-85-014), Mar.,
1986. 41 p.
- Lyons, N R
The basis for technological literacy: Experiments in
exploration
Sponsored by Naval Personnel Res. & Development
Center, Naval Postgraduate School, (NPS-54-86-0005),
Apr., 1986. 89 p.
- Lyons, N R; Knott, K
General problem solving: Navy requirements and
solutions
Prepared for Naval Personnel Res. and Develop.
Center, San Diego, Calif. Naval Postgraduate School,
(NPS-54-85-001), Mar., 1985. 59 p.
- McMasters, A W
Wholesale Provisioning models: Model Evaluation
Navy Fleet Material Support Office, (NPS-55-86-011),
May, 1986. 118 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
TECHNICAL REPORTS AND NOTES (cont'd)

- McMasters, A W; Steinberg, J
A technique for evaluating vendor bids for stock
replenishment of a consumable item
Naval Ships Parts Control Center, Mechanicsburg, Pa.
Naval Postgraduate School, (NPS-54-85-003), June,
1985. 76 p.
- Mehay, S L; Borack, J; Thomas, G W
Estimating local area manpower supply for the reserves
Sponsored by U.S. Army Recruiting Command. Naval
Postgraduate School, (NPS-54-85-006), Sep., 1985. 39
p.
- Moses, O D
Tests of the usefulness of analyst earnings forecast
data in predicting bankruptcy of public corporations
Naval Postgraduate School Foundation, Naval
Postgraduate School, (NPS-54-86-011), Oct. 1986. 118
p.
- Moses, D D; Liao, S S
Predicting contractor financial stability: New insight
for source selection
Naval Postgraduate School, (NPS-54-86-03), Mar.,
1985. 20 p.
- Moses, O D
Analysts earnings forecasts: An alternative data source
for failure prediction
Naval Postgraduate School, (NPS-54-86-015), Nov.,
1986. 39 p.
- Moses, O D
Analysts' earnings forecasts: An alternative data
source for failure prediction
Sponsored by Naval Postgraduate School Foundation
Research Program, Naval Postgraduate School,
Monterey, CA, (NPS 54-86-015), Nov., 1986.
- Moses, O D
Income smoothing research - methodology and models
Naval Postgraduate School, (NPS-54-86-004), May,
1986. 53 p.
- Moses, O D
Income smoothing: Methodology and models
Naval Postgraduate School, (NPS-54-86-004), May,
1986. 58 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES

TECHNICAL REPORTS AND NOTES (cont'd)

Moses, O D

Tests of the usefulness of analyst earnings forecast data in predicting bankruptcy of public corporations
Naval Postgraduate School, (NPS-54-86-011), Oct., 1986. 124 p.

Moses, O D

On the relationship between financial measures and contractor pricing strategy: Empirical tests in the Defense Aerospace industry
Sponsored by Naval Postgraduate School, Monterey, CA. (NPS-54-87-008), September, 1987. 78 p.

Moses, O D; Liao, S S

Predicting contractor financial stability: New insight for source selection
Naval Postgraduate School, (NPS-54-86-003), Mar., 1986. 18 p.

Nieboer-Turpin, N A

Evaluation of commercial aptitude testing as a supplement to the DoD Student Testing Program
Office of the Asst. Secty. of Defense for Manpower, Installations and Logistics, Director of Accession Policy, (Technical rep.), July, 1984. 111 p.

Nieboer-Turpin, N A

Offering commercial aptitude testing in the Department of Defense Student Testing Program: A continuation in school year 1983-84
Office of the Asst. Secty. of Defense for Manpower, Installations and Logistics, Director of Accession Policy, (Technical rep.), June, 1985. 111 p.

Pasquier, J; Bui, T

ELECTRE 3, a multiple criteria decision method for ranking alternatives
Inst. of Econ. and Social Sciences, Fribourg, Switzerland, Nov., 1986.

Schneidewind

Proposed technology and procurement policy for SNAP III
Sponsored by: Naval Sea Systems Command, Naval Postgraduate School, (NPS-54-86-012), Oct., 1986. 23 p.

Sivasankaran; Bui, T

Cost-effectiveness Modeling for a DSS in computer security
Naval Postgraduate School, (NPS-54-86-008), Jul., 1986. 37 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
TECHNICAL REPORTS AND NOTES (cont'd)

- Sivasankaran; Setzer, R
A logical database design for a microcomputer-based
physical qualifications monitoring system
Prepared for Chief of Naval Res. Naval Postgraduate
School, (NPS-54-86-009), Jul., 1986. 35 p.
- Solnick, L M
Promotions, pay, performance rating and quits
Sponsored by NPS Res. Foundation. Naval Postgraduate
School, (NPS-86-013), Oct., 1986. 25 p.
- Solnick, L M
Educational background and job success among black
college graduates
Sponsored by Naval Postgraduate School Foundation
Research Program, Monterey, CA, (NPS-54-87-009),
September, 1987. 32 p.
- Thomas, G W
Organizational following and career orientation of
military officers
Naval Postgraduate School, (NPS-54-85-002), May,
1985. 30 p.
- Thomas, G W; Elster, R S; Euske, K J; Griffin, P
Attrition-Seventy Index (ADI) for selected Navy ratings:
Development
Naval Personnel Res. and Develop. Center,
(NPRDC-TR-85-1), Oct., 1984. 35 p.
- Thomas, G W; Euske, K J; Smith, D F
Estimating relationships in simulation models using
regression: An application to military retirement
costing
Prepared for UnderSecretary of Defense for Manpower,
Installations and Logistics. Naval Postgraduate
School, (NPS-54-85-010), Sept., 1985. 25 p.
- Washburn, A R; Boger, D C
Notes from the Stockpile Seminar
Sponsored by Naval Postgraduate School, Monterey, CA,
(NPS-55-85-014), October, 1985.
- Zimmerman, D; Zimmerman, R; King, W
Development and validation of preenlistment screening
composites for army enlisted personnel
U. S. Army Recruiting Command, Program Analysis and
Evaluation Directorate - Res. Studies Div.,
(USARECSR-85-2), July, 1985. 159 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ADMINISTRATIVE SCIENCES
TECHNICAL REPORTS AND NOTES (cont'd)

- Zimmerman, R; Zimmerman, D
Recruitment of college-bound youth through use of the
ACT assessment file
U. S. Army Recruiting Command, Program Analysis and
Evaluation Directorate - Res. Studies Div., (USAREC
SR-85-1), July, 1985. 129 p.
- Zimmerman, R; Zimmerman, D; Lathrop, M
Study of factors related to Army delayed entry program
attrition
U. S. Army Recruiting Command, Program Analysis and
Evaluation Directorate - Res. Studies Div. (USAREC
SR-85-3), 1985. 112 p.

DEPARTMENT
OF
AERONAUTICS

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS
CONFERENCE PRESENTATIONS

- Abramovich, S; Fuhs, A E
Some characteristics of isentropic plumes of
underexpanded free jets
AIAA Aerospace Sciences Mtg., Reno, Nev., Jan., 1985.
- Ball, R E
Education in aircraft combat survivability at NPS
2nd Ann. AAAA Aircraft Survivability Equipment (ASE)
Symp., Dallas, Tex., Nov. 7-9, 1984.
- Berger, M; Fuhs, A E; Kol, J
Two-color photo pyrometry method for temperature
measurement of moving burning particles
AIAA Aerospace Sciences Mtg., Reno, Nev., Jan., 1985.
- Biblarz, O; Collins, D J; Fuhs, A E; Gawain, T H;
Miller, J A; Narayanan, M A B; Netzer, D W; et al.
Propulsion Education at the Naval Postgraduate School
AIAA/SAE/ASME/ASEE 21st Joint Propulsion Conf.,
Monterey, Calif., July 8-10, 1985.
- Bramer, J; Dubeau, R; Hickey, P; King, A; Lohman, A;
Weller, J; Netzer, D W
Fuel composition and additive effects on soot production
NAPC Particulate Emission Mtg., Monterey, Calif.,
Apr. 16-18, 1985.
- Campbell, W H; Ko, B N; Lowe, S R; Netzer, D W
Solid fuel ramjet fuel regression rate/thrust modulation
23rd JANNAF Combustion Meeting, Hampton, VA, October,
1986.
- Celik, Z Z; Bodapati, S
Evaluation of influence coefficient matrices for an
adaptive wall wind tunnel and applications to one-step
convergence scheme
AIAA 19th Fluid Dynamics, Plasma Dynamics and Lasers
Conference, Honolulu, HA, June 1987.
- Celik, Z Z; Bodapati, S
Investigations of the various convergence schemes for
the development of adaptive wall tunnel
AIAA 5th Applied Aerodynamics Conference, Monterey,
CA, August, 1987.
- Edwards, T; Horton, K G; Redman, D; Rosa, J M; Rubin, J B;
Yoon, S W; Powers, J P; Netzer, D W
Measurement of particulates in solid propellant motors
23rd JANNAF Combustion Meeting, Hampton, VA, October,
1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

CONFERENCE PRESENTATIONS (cont'd)

- Falcovitz, J; Fuhs, A E
An integral model for thermal backscattering from the
exhaust plume of a space-based HE laser
AIAA/ASME 4th Joint Thermophysics and Heat Transfer
Conf., Boston, MA, June 2-4, 1986.
- Gany, A; Netzer, D W
Combustion studies of metallized fuels for solid fuel
ramjets
AIAA/SAE/ASME/ASEE 21st Joint Propulsion Conf.,
Monterey, Calif., July 8-10, 1985.
- Gany, A; Netzer, D W
Thermochemical evaluation of fuel candidates for ramjet
propulsion
27th Israel Conf. on Aviation and Astronautics, Tel
Aviv, Israel, Feb., 1985.
- Gordon, V C; Collins, D J
MIMO automatic design synthesis for performance and
robustness
AIAA Controls Conf., Snowmass, Colo., Aug., 1985.
- Harri, R K; Lee, Y S; Hickey, P J; Graham, K J;
Powers, J P; Netzer, D W
Experimental techniques for obtaining particulate
behavior in metallized solid propellant combustion
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,
1984.
- Kol, J; Fuhs, A E; Berger, M
Experimental investigation of aluminum combustion in
steam
AIAA Aerospace Sciences Mtg., Reno, Nev., Jan., 1985.
- Kol, J; Fuhs, A E; Chozev, Y
Experimental investigation of aluminum combustion in
sulfur hexafluoride atmosphere
AIAA/ASME 4th Joint Thermophysics and Heat Transfer
Conf., Boston, MA, June 2-4, 1986.
- Kolar, R
Numerical path-integration in finite element analysis
ONR Symposium on Future Directions in Shell Research,
Newport, RI, August, 1986.
- Layton, D M
Basic aerostatics: - A tutorial
AIAA Lighter-Than-Air Technology, Norfolk, Va., June,
1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

CONFERENCE PRESENTATIONS (cont'd)

- Layton, D M
Basic aerostatics - a tutorial
Lighter Than Air Technol. Conf. (AIAA), Norfolk, VA,
June 20-23, 1986.
- Netzer, D W
SFRJ combustor modelling
JANNAF Workshop on Evaluation of Operational and
Cycle Analysis for the Solid Fuel Ramjet Naval
Weapons Center, China Lake, Calif., July 16-17, 1985.
- Netzer, D W
SFRT testing methods and data reduction techniques
JANNAF Workshop on Evaluation of Operational and
Cycle Analysis for the Solid Fuel Ramjet, Naval
Weapons Center, China Lake, Calif., July 16-17, 1985.
- Netzer, D W; Power, J P
Experimental techniques for obtaining particulate
behavior in solid propellant combustion
AGARD Conf. on Smokeless Propellants, Florence,
Italy, Sep. 12-13, 1985.
- Netzer, D W; Powers, J P
Combustion/particle sizing experiments at the Naval
Postgraduate School Combustion Research Laboratory
Workshop on Automated Reduction of Data from Images
and Holograms, NASA Ames, Mountain View, Calif., Jan.
10-11, 1985.
- Netzer, D W; Powers, J P
Experimental techniques for obtaining particle behavior
in solid propellant combustion
AGARD Specialist Mtg. on Smokeless Propellants,
Florence, Italy, Sept. 12-13, 1985.
- Netzer, D W; Powers, J P
Particle sizing in rocket motor studies utilizing
hologram image processing
NASA Workshop on Automated Reduction of Data from
Images in Holograms, Moffett Field, Calif., Jan.
10-11, 1985.
- Netzer, D W; Powers, J P; Glenn, J G; Graham, K J;
Harris, R K; Lee, Y
Solid propellant combustion diagnostics and automated
data retrieval from holograms
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,
1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

CONFERENCE PRESENTATIONS (cont'd)

Own, S H
Theory of the distribution of interfacial shear strength
in a coated and uncoated single filament composite
Gordon Res. Conf. on Fiber Sci., Colby-Sawyer
College, New London, N. H., July 8-12, 1985.

Parafiorito, T M; Netzer, D W
Combustion pressure oscillations in solid fuel ramjets
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,
1984.

Powers, J P; Shavit, Z; Biblarz, O; Miller, J A
Variable focal length radiometer for particle sizing
ICIASF '85 (11th Int. Cong. on Instrumentation in
Aerospace Simulation Facilities), Stanford Univ.,
Aug. 26-28, 1985.

Scott III, C K; Netzer, D W
Metallized fuel burning characteristics in the solid
fuel ramjet
23rd JANNAF Combustion Meeting, NASA-Langley Research
Center, Hampton, VA, Oct. 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS
CONTRIBUTIONS TO BOOKS

- Ball, R E
The fundamentals of aircraft combat survivability
analysis and design
New York, N. Y. Am. Inst. of Aeron. and
Astronautics, 1985. 398 p.
- Biblarz, O
Electrode regions in dense plasmas
Published with abstracts and agenda for the 1986
AFOSR/AFRPL Chemical Rocket Res. Mtg. (1986).
- Fuhs, A E; ed.
Fluid dynamics and fluid machinery
John Wiley and Sons, Inc., 1986. 1200 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS
PUBLISHED PAPERS

- Abramovich, S; Fuhs, A E
Some characteristics of isentropic plumes of
underexpanded free jets
AIAA Aerospace Sciences Mtg. Reno, Nev. Jan., 1985.
IN Conf. preprint, AIAA-85-0048, (1985).
- Berger, M; Fuhs, A E; Kol, J
Two-color photo-pyrometry method for temperature
measurement of moving burning particles
AIAA Aerospace Sciences Mtg. Reno, Nev. Jan., 1985.
IN Conf. preprint, AIAA-85-0157, (1985).
- Biblarz, O; Collins, D J; Fuhs, A E; Gawain, T H;
Miller, J A; Narayanan, M A B; Netzer, D W; et al.
Propulsion Education at the Naval Postgraduate School
AIAA/SAE/ASME/ASEE 21st Joint Propulsion Conf.,
Monterey, Calif., July 8-10, 1985.
IN Conf. preprint, AIAA-85-1146, (1985).
- Bodapati, S; Lee, C S
Unsteady wake measurements of an oscillating flap at
transonic speeds
American Inst. of Aeron. and Astronautics J., vol.
24, no. 12, (December, 1986).
- Campbell, W H; Ko, B N; Lowe, S R; Netzer, D W
Solid fuel ramjet fuel regression rate/thrust modulation
23rd JANNAF Combustion Meeting, Hampton, VA, October,
1986.
IN 23rd JANNAF Combustion Meeting, vol. 1, p.
339-352, (October, 1986).
- Edwards, T; Horton, K G; Redman, D; Rosa, J M; Rubin, J B;
Yoon, S W; Powers, J P; Netzer, D W
Measurement of particulates in solid propellant motors
23rd JANNAF Combustion Meeting, Hampton, VA, October,
1986.
IN Proc., 23rd JANNAF Combustion Meeting, vol. 1,
p. 119-132, (1986).
- Fuhs, A E; Buck, J A; Hallenbeck, A E; Strott, J B
Metal combustion in steam
Am. Soc. of Nav. Engrs. J., vol. 97, no. 3, p. 65-79,
(Mar., 1985).
- Gany, A; Netzer, D W
Combustion studies of metallized fuels for solid fuel
ramjets
AIAA/SAE/ASME/ASEE 21st Joint Propulsion Conf.,
Monterey, Calif., July 8-10, 1985.
IN Conf. preprint, AIAA-85-1177, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

PUBLISHED PAPERS

(cont'd)

- Gany, A; Netzer, D W
Thermochemical evaluation of fuel candidates for ramjet
propulsion
27th Israel Conf. on Aviation and Astronautics, Tel
Aviv, Israel, Feb. 1985
IN Proc., p. 216-219, (1985).
- Gany, A; Netzer, D W
Fuel performance evaluation for the solid-fueled Ramjet
Int. J. of Turbo & Jet-Engines, vol. 2, no. 2, p.
157-168, (1985).
- Gany, A; Netzer, D W
Combustion studies of metallized fuels for solid-fuel
ramjets
J. of Propulsion and Power, vol. 2, no. 5, p.
423-427, (Sept.-Oct., 1986).
- Harri, R K; Lee, Y S; Hickey, P J; Graham, K J;
Powers, J P; Netzer, D W
Experimental techniques for obtaining particulate
behavior in metallized solid propellant combustion.
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,
1984.
IN Proc., C.P.I.A., p. 1-14, (1985).
- Healey, J V
The effects of non-coherence on energy extraction from a
turbulent wind
Wind Eng., vol. 8, no. 4, p. 221-230, (1984).
- Healey, J V
The influence of spectrum functions and filters on
crossing frequency of atmospheric turbulence
J. of Atmo. and Ocean Technol. (AMS), vol. 2, no. 4,
p. 590-597, (Dec., 1985)
- Healey, J V
Crossing theory and atmospheric turbulence
Wind Eng., vol. 10, no. 2, p. 87-97, (1986).
- Healey, J V
The prospects for simulating the helicopter/ship
interface
Naval Engineers J., vol. 99, no. 2, p. 45-63, (March,
1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

PUBLISHED PAPERS

(cont'd)

- Kol, J; Fuhs, A E; Berger, M
Experimental investigation of aluminum combustion in
steam
AIAA Aerospace Sciences Mtg., Reno, Nev., Jan., 1985.
IN Conf. preprint, AIAA-85-0157, (1985).
- Layton, D M
Basic aerostatics: - A tutorial
AIAA Lighter-Than-Air Technology, Norfolk, Va., June,
1985.
IN Proc., AIAA, (1985).
- Layton, D M
Basic aerostatics - a tutorial
Lighter Than Air Technol. Conf. (AIAA), Norfolk, VA,
June 20-23, 1986.
IN AIAA Proc. 7th Lighter Than Air Technol. Conf.,
AIAA, (1986).
- Milshtein, T; Netzer, D W
Three-dimensional, primitive variable model for
solid-fuel ramjet
J. of Spacecraft and Rockets, vol. 23, no. 1, p.
113-117, (Jan.-Feb., 1986)
- Netzer, D; Powers, J P
Particle sizing in rocket motor studies utilizing
hologram image processing
Automated Reduction of Data from Images and
Holograms, NASA Conf. Publication 2477, p. 589-606,
(1987).
- Netzer, D W; Powers, J P
Combustion/particle sizing experiments at the Naval
Postgraduate School Combustion Research Laboratory
Workshop on Automated Reduction of Data from Images
and Holograms, NASA Ames, Mountain View, Calif., Jan.
10-11, 1985.
IN Proc., NASA, (1985).
- Netzer, D W; Powers, J P
Experimental Techniques for obtaining particulate in
solid propellant combustion
AGARD Conf. on Smokeless Propellants, Florence,
Italy, Sep. 12-13, 1985.
IN AGARD Conf. Proc. no. 391 - Smokeless
Propellants AGARD-CP-391, AGARD, p. 19-1-19-17,
(1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

PUBLISHED PAPERS

(cont'd)

- Netzer, D W; Powers, J P
Particle sizing in rocket motor studies utilizing
hologram image processing
NASA Workshop on Automated Reduction of Data from
Images on Holograms, Moffett Field, Calif., Jan.
10-11, 1985
IN Proc., NASA, (1985).
- Netzer, D W; Powers, J P
Experimental techniques for obtaining particle behavior
in solid propulsion combustion
AGARD Conf. on Smokeless Propellants, Florence,
Italy, Sept. 12-13, 1985.
IN AGARD Conf. Proc. No. 391, p. 19.1-19.17,
(1986).
- Parafiorito, T M; Netzer, D W
Combustion pressure oscillations in solid fuel ramjets
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,
1984.
IN Proc., C.P.I.A., p. 679-687, (1985).
- Powers, J P; Shavit, Z; Biblarz, O; Miller, J A
Variable focal length radiometer for particle sizing
ICIASE '85 (11th Int. Cong. on Instrumentation in
Aerospace Simulation Facilities), Stanford Univ.,
Aug. 26-28, 1985.
IN Proc., p. 115-122, (1985).
- Sarigul, N; Kolar, R; Sarigul, N
On the use of Bezier curves and b-splines in finite
element mesh generation
Structures Congress 87 Computer Applications in
Structural Engineering, Orlando, Fla, Aug. 17-20,
1987.
IN Computer Applications in Structural
Engineering, American Soc. of Civil Engineers,
(1987).
- Scott III, C K; Netzer, D W
Metallized fuel burning characteristics in the solid
fuel ramjet
23rd JANNAF Combustion Meeting, NASA-Langley Research
Ctr., Hampton, VA, Oct. 1986.
IN Proc., CPIA, p. 353-364, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

TECHNICAL REPORTS AND NOTES

- BadriNarayanan, M A; Platzter, M F; Rickenbaker, E
A novel oscillating plane jet: Its effect on ejector
thrust augmentation
Prepared for Naval Air Systems Command, Washington,
D.C. Naval Postgraduate School, (NPS-67-85-005),
May, 1985. 32 p.
- Erwin, J R; Phillips, R; Schulz, H D; Shreeve, R P
Development of a centrifugal diffuser test device
(CTDD): Part I- Design and construction of low speed
apparatus. Interim report for period May 1982 - April
1983.
Naval Postgraduate School, (NPS-67-84-003PR), Sept.,
1984. 45 p.
- Gany, A; Netzer, D W
Fuel performance evaluation for the solid-fueled ramjet
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-67-84-012), Oct.,
1984 35 p.
- Healey, J V
Helicopter - ship interface study
Sponsored by NAVAIR (Air Vehicle Division), Dept. of
the Navy, Washington, DC. Naval Postgraduate School,
(NPS-67-86-003), Sept. 30, 1986. 72 p.
- Healey, J V
Simulating the helicopter/ship interface as an
alternative to current methods of determining the safe
operating envelopes
Sponsored by Air Vehicle Div., Naval Air Systems
Command, Naval Postgraduate School, (NPS-67-86-003),
Sept., 1986. 73 p.
- Schulz, H D; Neuhoff, F; Hirsch, C; Shreeve, R P
Application of finite element code Q3DFLO-81 to
turbomachinery flow fields
Sponsored by Naval Air Systems Command. Naval
Postgraduate School, (NPS-67-84-003PR), Sept., 1984.
53 p.
- Schulz, H D; Shreeve, R P
Development of a centrifugal diffuser test device
(CTDD): Part II - Initial measurements and flow
analysis. Interim report for period May 1983 - April
1984.
Naval Postgraduate School (NPS-67-84-004PR), Sept.,
1984. 50 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF AERONAUTICS

TECHNICAL REPORTS AND NOTES (cont'd)

Shreeve, R P; Mathur, A; eds.
Proc. of the 1985 ONR/NAVAIR Wave Rotor Research and
Technology Workshop
Sponsored by Office of Naval Res., Arlington, VA,
Naval Postgraduate School, (NPS-67-85-008), May,
1985.

**DEPARTMENT
OF
COMPUTER SCIENCE**

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE
CONFERENCE PRESENTATIONS

- Anand, J D; Demurjian, S A; Hsiao, D K; Lum, V Y;
Madison, D E; Marshall, R G; Wu, C T
A research report on the Laboratory for Database Systems
Research: Past, present, and future
6th Advanced Database Symp., Tokyo, Japan, Aug.,
1986.
- Bradley, G H
Optimization of capital portfolios
Nat. Communications Forum 1986, Chicago, IL, Sept. 29
- Oct. 1, 1986.
- Bradley, G H; Clemence, R
Implementation of structured modeling for optimization
1984 Ann. Am. Inst. of Chemical Engrs., San
Francisco, Calif., Nov. 26-30, 1984.
- Bradley, G H; Clemence, R
Implementation of structured modeling for optimization
ORSA/TIMS Nat. Mtg., Dallas, Tex., Nov. 26-28, 1984.
- Bradley, G H; Clemence, R
Implementation of a structured modeling language for
optimization
12th Int. Symp. on Mathematical Programming, Boston,
Mass., Aug. 5-9, 1985.
- Bradley, G H; Clemence, R
A structured modeling language for optimization
Inst. for Manage. Sci. and Oper. Res. Soc. Nat. Mtg.,
Los Angeles, CA, Apr. 14-16, 1986.
- Bradley, G H; Clemence, R
Requirements for a language to do integrated modeling
UCLA Conf. of Structured Modeling, Los Angeles, CA,
Aug. 21-22, 1986.
- Bradley, G H; Clemence, R D
A type calculus for integrating models
Martin Beale Memorial Symposium, London, England,
July, 1987.
- Brown, G G; McBride, R D; Wood, K
Computational methods in the projective linear
programming algorithm
ORSA/TIMS Joint Nat. Mtg., Los Angeles, CA, Nov. 4-6,
1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

CONFERENCE PRESENTATIONS (cont'd)

Davis, D L
Interfacing and integrating hardware and software design systems
Conf. on the Design, Development and Testing of Complex Avionic Systems, Las Vegas, NV, April, 1987.

Davis, D L
Interfacing and integrating hardware and software design systems
NATO AGARD, Conf. on the Design, Development and Testing of Complex Avionic Systems, Las Vegas, NV, April, 1987.

Davis, D L; Yurchak, J
The specification, design and implementation of an abstract processor
19th IEEE Asilomar Conf. on Circuits, Systems, and Computers, Monterey, CA, Nov., 1985.

Demurjian, S A; Hsiao, D K
New directions in database-system research and development
New Directions in Computing, Trondheim, Norway, Aug., 1985.

Demurjian, S A; Hsiao, D K
Performance evaluation of a database system in multiple backend configurations
Database Machine Workshop, Bahamas, 1985.

Demurjian, S A; Hsiao, D K
The multi-lingual database system
The Third Intl. Conf. on Data Engineering, Los Angeles, CA, February, 1987.

Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J; Strawser, P R; Tekampe, R C; Watson, R J
Performance evaluations of a database system in multiple backend configurations
4th Int. Workshop on Database Machines, Newport, Great Bahama Island, Mar., 1985.

Demurjian, S A; Hsiao, D K; Marshall, R G
The architectural requirements and integration analyses of a database server for office automation
IFIP WG8.4 Working Conf. on Methods and Tools for Office Systems, Piza, Italy, October, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

CONFERENCE PRESENTATIONS (cont'd)

- Hamming, R W
Calculus revisited
CMC (California Mathematics Council Community Colleges), Monterey, CA, Dec., 1985.
- Hamming, R W
Doing high-class research
VHSIC Signal Processing Conf., Naval Postgraduate School, Monterey, CA, June 17, 1986.
- Hsiao, D K
Super database computers: Hardware and software solutions for efficient processing of very large databases
IFIP Cong., Dublin, Ireland, Sep., 1986.
- Lum, V Y
A DBMS prototype to support extended NF2 relations: An integrated view on flat tables and hierarchies
ACM SIGMOD 86 (Int. Conf. Manage. of Data), Washington, DC, May 28-30, 1986.
- Lum, V Y
Issues on multi-media database
The Int. Pre-VLDB 86 Symp., Beijing, China, Aug. 21-22, 1986.
- MacLennan, B J
On the validation of computer science theories
2nd Symp. on Empirical Foundations of Information and Software Sci., Atlanta, Ga., Oct. 3-5, 1984.
- MacLennan, B J
A simple software environment based on objects and relations
ACM SIGPLAN '85 Symp. on Language Issues in Programming Environments, Seattle, Wash., June 25-28, 1985.
- Richbourg, R F; Rowe, N; Zyda, M J; McGhee, R B
Solving global, two-dimensional routing problems using Snell's law and A * search
IEEE Intl. Conf. on Robotics and Automation, Raleigh, NC, February, 1987.
- Ross, R S; McGhee, R B; Zyda, M J; Rowe, N C
A context-dependent terrain classification paradigm for land mobility problems
Third Ann. Expert Systems in Govt. Conf., Washington, DC, October, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

CONFERENCE PRESENTATIONS (cont'd)

- Rowe, N C
Subclasses equal instances, thanks to statistical
databases
Third Intl. Conf. on Data Engineering, Los Angeles,
CA, February, 1987.
- Wu, C T
Concurrency in linear and interpolation hashing
19th Ann. Conf. on Information Sciences and Systems,
Baltimore, Md., Mar., 1985.
- Wu, C T
Data organization method for the parallel execution of
relational operation
Int. Conf. on Foundations of Data Organization,
Kyoto, Japan, May, 1985.
- Wu, C T
A new graphics user interface for accessing a database
Computer Graphics Tokyo '86, Tokyo, Japan, Apr.,
1986.
- Wu, C T
Multimedia database: What, why, where, and how
Database '86 Colloquium, San Diego, CA, June, 1986.
- Wu, C T
The simplicity requirement of a CAD/CAM Information
Support System
Workshop on Information System Support for Integrated
Design and Manufacturing Processes, Monterey, CA,
Apr., 1986.
- Zyda, M J
Future graphics support for CAD/CAM
Workshop on Information System Support for Integrated
Design and Manufacturing Processes, Monterey, CA,
Apr. 14-16, 1986.
- Zyda, M J
Future hardware directions
Nat. Computer Graphics Assoc. Ann. Conf., Anaheim,
CA, May 14-15, 1986.
- Zyda, M J
Workstation graphics capabilities for the 1990's and
beyond
Nat. Computer Graphics Asso. Conf., Anaheim, CA, May,
1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

CONFERENCE PRESENTATIONS (cont'd)

Zyda, M J; Richbourg, R F; Rowe, N C
Exploiting capability constraints to solve global,
two-dimensional path planning problems
1986 IEEE Conf. on Robotics and Automation, San
Francisco, CA, Apr. 7-10, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE
CONTRIBUTIONS TO BOOKS

- Bradley, G H; Goeffrion, A
Production and sales planning with limited shared
tooling at the key operation
IN K. Lawrence and S. Zanakis, eds.: Production
planning and scheduling, Allie Press, Atlanta,
Ga., 1984.
- Demurjian, S A; Hsiao, D K; Marshall, R G
Design analysis and performance evaluation methodologies
for databan computers
Englewood, NJ, Prentiss-Hall, 1987. 300p.
- Hamming, R W
Methods of mathematics applied to calculus, probability
and statistics
Englewood Cliffs, N. J., Prentice-Hall, June, 1985.
857 p.
- Hsiao, D K
Future database machine architecture
IN G. Ariav and J. Clifford, eds.: New directions
for database systems, Ablex Pub. Co., 1986.
- Schneidewind, N F
Interconnecting local networks to long-distance networks
IN Datapro research reports, planning, Datapro
Res. Corp., Nov., 1984, p. CS-20-475-101:111.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE
PUBLISHED PAPERS

- Anand, J; Demurjian, S A; Hsiao, D K
A research report on the Laboratory for Database Systems
Research: Past, present and future
6th Advanced Database Symp., Tokyo, Japan, Aug.,
1986.
IN Proc., Information Processing Soc. of Japan,
(1986).
- Bitton, D; DeWitt, D J; Hsiao, D K; Menon, J
A taxonomy of parallel sorting
ACM Computing Surveys, vol. 16, no. 3, p. 287-318,
(Sept., 1984).
- Bradley, G H
Optimization of capital portfolios
Nat. Communications Forum 1986, Chicago, IL, Sept. 29
- Oct. 1, 1986.
IN Proc., Professional Educ. Int., p. 11-17,
(1986).
- Dejurjian, S A; Hsiao, D K
The multi-lingual database system
The Third Intl. Conf. on Data Engineering, Los
Angeles, CA, February, 1987.
IN Proc., IEEE, (1987).
- Demurjian, S A; Hsiao, D K
New directions in database-system research and
development
New Directions in Computing, Trondheim, Norway, Aug.,
1985.
IN Proc., IEEE Computer Soc. Press, (1985).
- Demurjian, S A; Hsiao, D K
Performance evaluation of a database system in multiple
backend configurations
Database Machine Workshop, Bahamas, 1985.
IN Proc., DMW, Springer-Verlag, (Nov., 1985).
- Demurjian, S A; Hsiao, D K
The multi-lingual database system
The Third Intl. Conf. on Data Engineering, Los
Angeles, CA, February, 1987.
IN Proc., IEEE, (1987).
- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J;
Strawser, P R; Tekampe, R C; Watson, R J
Performance evaluation of a database system in multiple
backend configurations
4th Int. Workshop on Database Machines, Newport,
Great Bahama Island, Mar., 1985.
IN Proc., Micro-electronic and Computer Technology
Corp., (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE
PUBLISHED PAPERS

(cont'd)

- Demurjian, S A; Hsiao, D K; Marshall, R G
The architectural requirements and integration analyses
of a database server for office automation
IFIP WG8.4 Working Conf. on Methods and Tools for
Office Systems, Piza, Italy, October 22-24, 1986.
IN Proc., IFIP WG8.4, North-Holland, (1986).
- Hsiao, D K
Super database computers: Hardware and software
solutions for efficient processing of very large
databases
IFIP Cong., Dublin, Ireland, Sep., 1986.
IN Proc., IFIP, (1986).
- Hsiao, D K; Britton, D; DeWitt, D J; Menon, J
Parallel sorting
Bit, p. 91-117, (Dec. 1985).
- Lum, V Y
A DBMS prototype to support extended NF2 relations: An
integrated view on flat tables and hierarchies
ACM SIGMOD 86 (Int. Conf. Manage. of Data),
Washington, DC, May 28-30, 1986.
IN Proc., ACM, p. 356-367, (1986).
- MacLennan, B J
A simple software environment based on objects and
relations
ACM SIGPLAN '85 Symp. on Language Issues in
Programming Environments, Seattle, Wash., June 25-28,
1985.
IN SIGPLAN Notices 20, (July, 1985).
- Richbourg, R F; Rowe, N; Zyda, M J; McGhee, R B
Solving global, two-dimensional routing problems using
Snell's law and A* search
IEEE Intl. Conf. on Robotics and Automation, Raleigh,
NC, February, 1987.
IN Proc. IEEE., (1987).
- Ross, R S; McGhee, R B; Zyda, M J; Rowe, N C
A context-dependent terrain classification paradigm for
land mobility problems
Third Ann. Expert Systems in Govt. Conf., Washington,
DC, October, 1987.
IN Proc., ESGC, Dp. 2-51, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

PUBLISHED PAPERS

(cont'd)

- Rowe, N C
Subclasses equal instances, thanks to statistical
databases
Third Intl. Conf. on Data Engineering, Los Angeles,
CA, February, 1987.
IN Proc., ICDE, (1987).
- Wu, C T
Concurrency in linear and interpolation hashing
19th Ann. Conf. on Information Sciences and Systems,
Baltimore, Md., Mar., 1985.
IN Proc., John Hopkins Univ., (1985).
- Wu, C T
Data organization method for the parallel execution of
relational operation
Int. Conf. on Foundations of Data Organization,
Kyoto, Japan, May, 1985.
IN Proc., (1985).
- Wu, C T
A new graphics user interface for accessing a database
Computer Graphics Tokyo '86, Tokyo, Japan, Apr.,
1986.
IN Advanced computer graphics, Springer-Verlag, p.
203-219, 1986.
- Zyda, M J
Future graphics support for CAD/CAM
Workshop on Information System Support for Integrated
Design and Manufacturing Processes, Monterey, CA,
Apr. 14-16, 1986.
IN Proc., (1986).
- Zyda, M J
Workstation graphics capabilities for the 1990's and
beyond
Nat. Computer Graphics Asso. Conf., Anaheim, CA, May,
1986.
IN Proc., Computer Graphics '86 Conf., vol. III,
(May, 1986).
- Zyda, M J; Richbourg, R F; Rowe, N C
Exploiting capability constraints to solve global,
two-dimensional path planning problems
1986 IEEE Conf. on Robotics and Automation, San
Francisco, CA, Apr. 7-10, 1986.
IN Proc., 1986 IEEE Int. Conf. on Robotics and
Automation, vol. I, (Apr., 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

PUBLISHED PAPERS

(cont'd)

Zyda, M J; Walker, R A
Design notes on a single board multiprocessor for
real-time contour surface display generation
IEEE Computer Graphics and Applications, (May, 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE
TECHNICAL REPORTS AND NOTES

- Ammann, J M; McGhee, R B; Zyda, M J
User interface design for two-dimensional polygonally
encoded geological survey maps
Prepared for Chief of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-52-86-017), July,
1986. 66 p.
- Anand, J; Demurjian, S A; Hsiao, D K; et al
A research report on the Laboratory for Database Systems
Research: Past, present and future
Sponsored by Office of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-52-86-013), May,
1986. 23 p.
- Artero, J C; Zyda, M J
Non-Roman font generation via interactive computer
graphics
Prepared for Chief of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-52-86-018), July,
1986. 107 p.
- Beda, T J; Wu, C T; Zyda, M J
An improved user interface for an interactive graphics
figure illustrator
Sponsored by Naval Postgraduate School, Monterey, CA,
(NPS-52-87-025), June, 1987.
- Bradley, G H; Clemence, R D
A type calculus for executable modeling languages
Sponsored by Office of Naval Research, Washington,
DC. Naval Postgraduate School, (NPS-52-87-029),
July, 1987. 14 p.
- Bradley, G H; Clemence, R D
Model integraton with a typed executable modeling
language
Sponsored by Office of Naval Research, Washington,
DC. Naval Postgraduate School, (NPS-52-87-045),
1987. 14 p.
- Coker, H; Demurjian, S A; Hsiao, D K; Rodeck, B; Zawis, J
The multi-model database system
Sponsored by Naval Air Development Ctr., Naval Ocean
Systems Ctr., Naval Security Group Command, Naval
Postgraduate School, (NPS-52-87-026), June, 1987. 21
p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

- Davis, D L
A formal method for specifying computer resources in an implementation independent manner
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-84-022), Nov., 1984. 37 p.
- Davis, D L; Huber, H
Deducing the asymptotic behavior of a function from it's behavior on a subsequence
Sponsored by Chief of Naval Research. Naval Postgraduate School, (NPS-52-86-024), Nov., 1986. 19 p.
- Davis, D L; Huber, H
Deducing the asymptotic behavior of a function from its behavior on a subsequence
Sponsored by Naval Postgraduate School, Monterey, CA. (NPS 52-86-024), Nov., 1986. 12 p.
- Demurjian, S A; Fenton, G P; Hsiao, D K; Vincent, J R
A computer-aided benchmarking system for parallel and expandable database computers
Sponsored by Naval Air Development Ctr., Naval Ocean Syst. Ctr., Naval Security Command Group, Naval Postgraduate School, (NPS-52-87-016), April, 1987. 22 p.
- Demurjian, S A; Hsiao, D K
The multi-lingual database system
Sponsored by Foundation Research Program of the Naval Postgraduate School, Monterey, CA. Naval Postgraduate School, (NPS-52-86-011), Feb., 1986. 34 p.
- Demurjian, S A; Hsiao, D K
Towards a better understanding of data models through the multi-lingual database system
Sponsored by Naval Air Development Ctr., Naval Ocean Syst. Ctr., Naval Security Group Command, Naval Postgraduate School, (NPS-52-87-018), May, 1987. 24 p.
- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J; Strawser, P R; Tekampe, R C; Watson, R J
Performance evaluation of a database system in multiple backend configurations
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-84-019), Oct., 1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

Demurjian, S A; Hsiao, D K; Marshall, R G
The architectural requirements and integration analysis
of a database server for office automation
Sponsored by Office of Naval Res. and DOD STARS
Program. Naval Postgraduate School, (NPS-52-85-008),
May, 1985. 20 p.

Demurjian, S A; Hsiao, D K; Menon, J
A multi-backend database system for performance gains,
capacity growth and hardware upgrade
Sponsored by Office of Naval Res. and DOD STARS
Program. Naval Postgraduate School, (NPS-52-85-002),
Feb., 1985. 30 p.

Demurjian, S A; Hsiao, D K; Strawser, P R
Design analysis and performance evaluation methodologies
for database computers
Sponsored by Office of Naval Res. and DOD STARS
Program. Naval Postgraduate School, (NPS-52-85-009),
June, 1985. 117 p.

Demurjian, S A; Hsiao, D K; Vincent, J R
A benchmarking methodology for the centralized-database
computer with expandable and parallel database
processors and stores
Sponsored by Office of Naval Res. and DOD STARS
Program. Naval Postgraduate School, (NPS-52-85-011),
Aug., 1985. 46 p.

Hsiao, D K
Future database machine architecture
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-84-014), Sept.,
1984. 12 p.

Hsiao, D K
Super database computers: Hardware and software
solutions for efficient processing of very large
databases
Sponsored by Department of Defense STARS Program and
Office of Naval Research, Arlington, VA. Naval
Postgraduate School, (NPS-52-86-001), Jan., 1986. 25
p.

Hsiao, D K
The impact of the interconnecting network on parallel
database computers
Sponsored by Naval Air Development Ctr., Naval Ocean
Syst. Ctr., Naval Security Group Command Naval
Postgraduate School, (NPS-52-87-019), May, 1987. 16
p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

Jennings, K E; Dunlap, C R; Rowe, N C
Design guidelines for a rule based passive surveillance
system.
Sponsored by Space and Naval Warfare Systems Command,
Naval Postgraduate School, (NPS-52-86-020), Sept.,
1986. 50 p.

Jones, A R; Hogan, P G; Zyda, M J
Surface reconstruction from planar contours
Prepared for Chief of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-52-86-019), July,
1986. 68 p.

MacLennan, B J
Computable real analysis
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-84-024), Dec.,
1984. 75 p.

MacLennan, B J
Information - theoretic properties of languages and
their grammars
Prepared for Office of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-84-010), Aug.,
1984. 49 p.

MacLennan, B J
On the validation of computer science theories
Prepared for Office of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-84-021), Nov.,
1984. 14 p.

MacLennan, B J
The four forms of omega
Prepared for Office of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-84-026), Dec.,
1984. 30 p.

MacLennan, B J
Experience with Omega implementation of a prototype
programming environment, Part 2
Sponsored by Chief of Naval Res., Arlington, VA,
Naval Postgraduate School, (NPS-52-85-015), Dec.,
1985. 37 p.

MacLennan, B J
Experience with OMEGA: Implementation of a prototype
programming environment: Part 1
Prepared for Office of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-85-006), May,
1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

- MacLennan, B J
Experience with OMEGA: Implementation of a prototype
programming environment: Part 3
Prepared for Office of Naval Res., Arlington, VA.
Naval Postgraduate School, (NPS-52-86-004), Jan.,
1986. 46 p.
- MacLennan, B J
Experience with OMEGA: Implementation of a prototype
programming environment: Part 4
Prepared for Office of Naval Res., Arlington, VA.
Naval Postgraduate School, (NPS-52-86-007), Jan.,
1986. 52 p.
- MacLennan, B J
Experience with OMEGA: Implementation of a prototype
programming environment: Part 5
Prepared for Office of Naval Res., Arlington, VA.
Naval Postgraduate School, (NPS-52-86-009), Feb.,
1986. 34 p.
- MacLennan, B J
Four relational programs
Prepared for Chief of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-52-86-023), Nov.,
1986. 24 p.
- MacLennan, B J
Preliminary investigation of a calculus of functional
differences: Fixed differences
Prepared for Chief of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-52-86-010), Feb.,
1986. 27 p.
- MacLennan, B. J.
A simple software environment based on objects and
relations
Prepared for Office of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-85-005), Apr.,
1985. 29 p.
- McGhee, R B; Zyda, M J; Tan, C H
A simulation study of an autonomous steering system for
on-road operation of automotive vehicles
Sponsored by HQ, USACDEC, Ft. Ord, CA. Naval
Postgraduate School, (NPS-52-86-025), Dec., 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

- Richbourg, R F; Rowe, N C; Zyda, M J; McGhee, R B
Solving global two dimensional routing problems using
Snell's Law and A* Search
Sponsored by Chief of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-52-86-021), Oct.,
1986. 32 p.
- Rowe, N C
Antisampling for estimation: An overview
Prepared for Chief of Naval Res. Arlington, Va.
Naval Postgraduate School, (NPS-52-84-016), 1984. 25
p.
- Rowe, N C
Naming in Programming
Prepared for Chief of Naval Res. Arlington, Va.
Naval Postgraduate School, (NPS-52-84-017), Oct.,
1984. 18 p.
- Rowe, N C
Steps toward parsing of query sequences to a database
Prepared for Chief of Naval Res. Arlington, Va.
Naval Postgraduate School, (NPS-52-84-015), Oct.,
1984. 12 p.
- Rowe, N C
Absolute bounds on set intersection and union sizes from
distribution information
Prepared for Chief of Naval Res. Arlington, Va.
Naval Postgraduate School, (NPS-52-85-014), Sept.,
1985. 47 p.
- Srivastava, J; Lum, V Y
A Tree Based Statistics Access Method (TBSAM) for
univariate analysis
Int. Business Machines, (IBM, Res. RJ5399), 1986.
- Wu, C T
A unified interface method for interacting with a
database
Prepared for Office of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-52-86-014), Jan.,
1986. 36 p.
- Wu, C T; Anand, J D; Demurjian, S A; Hsiao, D K; Lum, V Y;
Madison, D E; Marshall, R G
A research report on the Laboratory for Database Systems
Research: Past, present, and future
Prepared for Office of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-52-86-013), May,
1986. 24 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

- Wu, C T; Madison, D E
An expert system interface and data requirements for the integrated product design and manufacturing process
Naval Postgraduate School, (NPS-52-86-015), June 9, 1986. 35 p.
- Wu, C T; Madison, D E
Data modelling abstractions and graphical interface for supporting the construction design process
Prepared for Office of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-52-86-012), Feb. 2, 1986. 20 p.
- Zyda, M J
A decomposable algorithm for contour surface display generation
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-84-011), Aug., 1984. 29 p.
- Zyda, M J
Real-time contour surface display generation
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-51-84-013), Sept., 1984. 21 p.
- Zyda, M J
The feasibility of a multiprocessor architecture for real-time contour surface display generation
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-84-025), Dec., 1984. 27 p.
- Zyda, M J
The use of VLSI technology for the real-time generation of graphics displays: A proposal
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-85-003), Mar., 1985. 14 p.
- Zyda, M J
Workstation graphics capabilities for the 1990's and beyond
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-85-013), Sept., 1985. 35 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

- Zyda, M J; Diehl, R K; McGhee, R B
Two-dimensional polygonal representation of maps for use
with autonomous vehicle route planning
Naval Postgraduate School, (NPS-52-86-016), June
1986. 74 p.
- Zyda, M J; Firth, S
The Ozdraw user's manual
Naval Postgraduate School, (NPS-52-86-005), Jan.,
1986. 64 p.
- Zyda, M J; Gaddis, M E
The fractal geometry of nature: Its mathematical basis
and application to computer graphics
Naval Postgraduate School, (NPS-52-86-008), Jan.,
1986. 128 p.
- Zyda, M J; Hogan, P G
Surface construction from planar contours
Naval Postgraduate School, (NPS-52-86-002), Jan.,
1986. 27 p.
- Zyda, M J; McGhee, R B; Rowe, N C; Ross, R S
A context-dependent classification paradigm for land
mobility problems
Prepared for U.S. Army Combat Developments
Experimentation Center, Ft. Ord, CA. Naval
Postgraduate School, (NPS-52-86-022), Oct., 1986. 7
p.
- Zyda, M J; McGhee, R B; Taylor, G W
Parametric representation and polygonal decomposition of
curved surfaces
Sponsored by HQ, USACDEC, FT Ord, CA. and Naval
Ocean Systems Center. Naval Postgraduate School,
(NPS-52-86-028), Dec., 1986. 95 p.
- Zyda, M J; Richbourg, R F; Rowe, N C
Exploiting capability constraints to solve global,
two-dimensional path planning problems
Naval Postgraduate School, (NPS-52-86-006), Jan.,
1986. 29 p.
- Zyda, M J; Walker, R A
A systems architecture for real-time contour surface
display generation
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-85-012), Aug.,
1985. 41 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF COMPUTER SCIENCE

TECHNICAL REPORTS AND NOTES (cont'd)

- Zyda, M J; Walker, R A
An integrated systems architecture for real-time contour
surface display generation
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-52-85-010), Aug.,
1985. 59 p.
- Zyda, M J; Walker, R A
A single board multiprocessor for real-time contour
surface display generation
Naval Postgraduate School, (NPS-52-86-003), Jan.,
1986. 25 p.
- Zyda, M J; Wu, C T; Falby, J S
A data structure for a multi-illumination model renderer
Sponsored by HQ, USACDEC, FT Ord, CA. Naval
Postgraduate School, (NPS-52-86-026), Dec., 1986.
129 p.

**DEPARTMENT
OF
ELECTRICAL AND
COMPUTER ENGINEERING**

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.
CONFERENCE PRESENTATIONS

- Abbott, L W
Test experience on an ultra-reliable computer
communication network
IEEE/IAAA 6th Digital Avionics Systems Conf., Dec.
3-6, 1984.
- Abbott, L W
A synergistic fault tolerant computer design for an
N-version programming environment
19th Asilomar Conf. on Circuits, Systems, and
Computers, Pacific Grove, Calif., Nov. 6-8, 1985.
- Abbott, L W; Varma, A; Hariri, S; Smyth, R
System design of a nodal communication's processor
IEEE Microprocessor Forum, Atlantic City, N. J., Apr.
2-4, 1985.
- Atwater, H A
Loading modes of the loaded line phase shifter
IEEE AP/MTT Symposium, Philadelphia, PA, May 5, 1984.
- Atwater, H A; Sudbury, R W
Radiation damage in the GaAs p-i-n diode
Hardened Electronics and Radiation Technology
Conference, Naval Postgraduate School, Monterey, CA,
July 25, 1985.
- Bukofzer, D C
Performance of digital communication receivers in
additive noise and intentional interference
SIAM Conf. on Linear Algebra in Signals, Systems and
Control, Boston, MA, Aug., 1986.
- Bukofzer, D C
Performance of receivers in digital radio applications
operating in the presence of noise and jamming
Military Communications Conf., Monterey, CA, Oct.,
1986.
- Burl, J B
Singular systems- A tutorial
Nineteenth Asilomar Conf. on Circuits, Systems, and
Computers, Pacific Grove, CA, 1985.
- Burl, J B
Application of the Karhunen-Loeve expansion to reduced
order control of distributed parameter systems
2nd IASTED Conf. on Applied Control and
Identification, Los Angeles, CA, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

- Burl, J B
Distributed parameter system identification using
spatial filtering and the Karhunen-Loeve modes
26th IEEE Conf. on Decision and Control, Los Angeles,
CA, 1987.
- Burl, J B
Distributed parameter system identification using
spatial filtering and the Karhunen-Loeve modes
26th IEEE Conf. on Decision and Control, Los Angeles,
CA, 1987.
- Cristi, R; Michael, S N
An adaptive algorithm for control of a DC motor on
systolic arrays
Asilomar Conference on Circuits, Systems and
Computers, Pacific Grove, CA, November, 1986.
- Edwards, T; Horton, K G; Redman, D; Rosa, J M; Rubin, J B;
Yoon, S W; Powers, J P; Netzer, D W
Measurement of particulates in solid propellant motors
23rd JANNAF Combustion Meeting, Hampton, VA, October,
1986.
- Garrett, S L; Hofler, T; Atchley, A A
Space Thermo-Acoustic Refrigerator (STAR)
Navy Ann. Space Test Program (STP) Call for
Experiments Conf., Monterey, CA, March, 1987.
- Guyomar, D; Powers, J P
Influence of baffle conditions on transient radiation
108th Acoust. Soc. of Am. Mtg., Minneapolis, Minn.,
Oct. 8-12, 1984.
- Guyomar, D; Powers, J P
Transient radiation from focused transducers
IEEE Ultrasonics Symp., Dallas, Tex., Nov. 14-16,
1984.
- Guyomar, D; Powers, J P
A Fourier approach to diffraction of pulsed ultrasonic
waves in lossless media
IEEE Ultrasonic Symp., San Francisco, CA, Oct. 16-18,
1985.
- Guyomar, D; Powers, J P
Propagation of transient acoustic waves in lossy and
lossless media
4th Symp. on Acoustical Imaging, The Hague,
Netherlands, Apr. 22-25, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

- Guyomar, D; Powers, J P
Transient fields from focused acoustic waves
14th Symp. on Acoustical Imaging, The Hague,
Netherlands, Apr. 22-25, 1985.
- Guyomar, D; Powers, J P
A transfer function approach to transient propagation in
media with a quadratic frequency dependence of
attenuation coefficient.
112th meeting of the Acoustical Society of America,
Anaheim, CA, December, 1986.
- Guyomar, D; Powers, J P
Calculation of transient radiation fields from axial
symmetric sources
15th Symp. on Acoust. Imaging, Halifax, Nova Scotia,
July 14-18, 1986.
- Harri, R K; Lee, Y S; Hickey, P J; Graham, K J;
Powers, J P; Netzer, D W
Experimental techniques for obtaining particulate
behavior in metallized solid propellant combustion
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,
1984.
- Hayes, D P; Ha, T T
A partial Mesh Small Terminal Satellite System providing
low-density voice and data communications
19th Southeastern Symp. on System Theory, March
15-17, 1987.
- Hayes, D P; Ha, T T; Pratt, T; Bostian, C W
Performance analysis of a DS-CDMA spread spectrum VSAI
network
Southeastcon '87, March, 1987.
- Janaswamy, R; Schaubert, D H
Analysis of the tapered slot antenna
IEEE/AP-S Symposium and National Radio Science
Meeting, Philadelphia, PA, June, 1986.
- Jauregui, S
Radio frequency distribution: Problem areas
Signal to Noise Enhancement Program, Naval
Postgraduate School, Monterey, Calif., Nov. 6-7,
1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

- Kirk, D E; Verly, J G
A distributed implementation of fast Fourier transforms
18th Asilomar Conf. on Circuits, Systems and
Computers, Pacific Grove, Calif., Nov., 1984.
- Lee, C -H
Image signal representation at uneven knots
NAVELEX Program Review, Naval Res. Lab., Washington,
D.C., Dec. 7, 1984.
- Lee, C -H
Recursive region splitting at hierarchical scope views
NAVELEX Program Review, Naval Res. Lab., Washington,
D.C., Dec. 6, 1984.
- Lee, C -H
Surface representation of aerial photographs
DMA Technol. Interchange Conf., DMA Hdqtrs.,
Washington, D.C., Dec. 11-13, 1984.
- Lee, C -H
A parallel image registration architecture using CAM
memory
19th Asilomar Conf. on Circuits, Systems, and
Computers, Pacific Grove, CA, Nov. 6-8, 1985.
- Lee, C -H
AATD segmentation test procedure
Automatic Target Recognition Working Group, Newport
Beach, Calif., Feb. 7, 1985.
- Lee, C -H; Keiyu, A
Image compression using nonuniform samples with
controlled compression
19th Asilomar Conf. on Circuit, Systems, and
Computers, Pacific Grove, CA, Nov. 6-8, 1985.
- Lee, H
A class of pulses whose strength decrease more slowly
than $1/r$
Fifth Intl. Conf. on Antennas and Propagation, Univ.
of York, York, United Kingdom, April, 1987.
- Lee, H -M
On Wu's electromagnetic missile
IEEE Symp. on Antenna Technol. and Appl.
Electromagnetics, Winnipeg, Canada, Aug., 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

- Lee, H -M
Time-domain radiation from an aperture
IEEE/AP-S Int. Symp., Boston, MA, June, 1986.
- Lee, H -M
The Mellin transform: A scale transformation for
problems of simple geometries
Joint IEEE/AP-S Intl. Symp. and URSI Radio Science
Mtg., Blacksburg, VA, June, 1987.
- Lee, H -M
Time domain studies of slowly decaying pulses
Joint IEEE/AP-S Intl. Symp. and URSI Radio Science
Mtg., Blacksburg, VA, June, 1987.
- Lee, H -M; Geller, D; Haklay, B; Setiawan, A; Chung, G B
Back scattering cross section along the axis of a
tubular cylinder of finite length
1985 Int. Symp. on Antennas and Propagation, Kyoto,
Japan, Aug. 19-22, 1985.
- Lynch, J F; Miller, J H; Frisk, G V; Chiu, C S
Scattering off rough boundaries in ray and normal mode
theories with application to ocean acoustic tomography
and shallow water acoustic
109th Meeting of the Acoustical Soc. of America,
Austin, TX, April, 1985.
- Maggenti, M; Ha, T T; Pratt, T
Spread spectrum overlay service in satellite
communications
IEEE Miami Technicon '87, Miami, FL, October, 1987.
- Michael, S N
Switched capacitor programmable analog filter
30th Midwest Symp. on Circuits and Systems, Syracuse,
NY, August, 1987.
- Michael, S N; Gariano, P
Applications of precision, high-slew rate OP AMPS in
active networks
28th Midwest Symp. on Circuits and Systems,
Louisville, Ky., Aug., 1985.
- Michael, S N; Gariano, P
Micro and macromodeling of integrated operational
amplifiers and their use in developing and evaluating
new composite OPAMPS
28th Midwest Symp. on Circuits and Systems,
Louisville, Ky., Aug., 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

- Michael, S N; Gariano, P
Optimization of high-speed, high-accuracy integrated
operational AMP
28th Midwest Symp. on Circuits and Systems,
Louisville, Ky., Aug., 1985.
- Michael, S N; Mikhael, W
High frequency filtering and inductance simulation using
new composite generalized immittance converters
IEEE Symp. on Circuits and Systems, Kyoto, Japan,
June, 1985.
- Miller, J H; Chiu, C S; Lynch, J F
Estimating sea surface spectra with acoustic tomography
112th Meeting of the Acoustical Society of America,
Anaheim, CA, December, 1986.
- Miller, J H; Lynch, J F; Chiu, C S
Surface wave tomography
1987 Tomography Review, La Jolla, CA, August, 1987.
- Morgan, M A; Fisher, D; Milne, E A
Microcomputer computation of electromagnetic scattering
by stratified anisotropic materials
2nd Ann. Rev. of Progress in Appl. Computational
Electromagnetics, Naval Postgraduate School, Mar.
18-20, 1986.
- Morgan, M A
Pulse shaping for target interrogation
22nd General Assembly of URSI, Tel Aviv, Israel,
August, 1987.
- Morgan, M A
Stability considerations in the field feedback
formulation
1987 URSI Radio Science Meeting, Blacksburg, VA,
June, 1987.
- Myers, G A
Measured noise and jamming performance of a new method
of frequency hopping
MILCOM '86, NPS, Monterey, CA, Oct. 7, 1986.
- Myers, G A
Measured noise and jamming performance of a new form of
frequency hopping
IEEE Military Communications Conf., Monterey, CA,
October, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

- Netzer, D W; Powers, J P
Combustion/particle sizing experiments at the Naval
Postgraduate School Combustion Research Laboratory
Workshop on Automated Reduction of Data from Images
and Holograms, NASA Ames, Mountain View, Calif., Jan.
10-11, 1985.
- Netzer, D W; Powers, J P
Experimental techniques for obtaining particulate in
solid propellant combustion
AGARD Conf. on Smokeless Propellants, Florence,
Italy, Sep. 12-13, 1985.
- Netzer, D W; Powers, J P
Experimental techniques for obtaining particulate
behavior in solid propellant combustion
AGARD Specialists' Mtg. on Smokeless Propellants,
Florence, Italy, Sept. 12-13, 1985.
- Netzer, D W; Powers, J P
Particle sizing in rocket motor studies utilizing
hologram image processing
NASA Workshop on Automated Reduction of Data from
Images on Holograms, Moffett Field, Calif., Jan.
10-11, 1985
- Netzer, D W; Powers, J P; Glenn, J G; Graham, K J;
Harris, R K; Lee, Y
Solid propellant combustion diagnostics and automated
data retrieval from holograms
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4,
1984.
- Newmaster, J T; Brininstool, M R; Hofler, T; Garrett, S L
Remote fiber optic sensors for angular orientation
Fiber Optic and Laser Sensors V, San Diego, CA,
August, 1987.
- Noon, D P; Ha, T T
Throughout analysis of a direct sequence code division
multiple access system
IEEE Miami Technicon '87, Miami, FL, October, 1987.
- Powers, J P; Guyomar, D
Transfer function model for propagation in homogeneous
media
Intl. Symp. on Pattern Recognition and Acoustical
Imaging, Newport Beach, CA, February, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

- Powers, J P; Shavit, Z; Biblarz, O; Miller, J A
Variable focal length radiometer for particle sizing
ICIASF '85 (11th Int. Cong. on Instrumentation in
Aerospace Simulation Facilities), Stanford Univ.,
Aug. 26-28, 1985.
- Shefi, A; Therrien, C W; Kirk, D E; Friedlander, B
Passive multipath target tracking in inhomogeneous
acoustic medium
Intl. Conf. on Acoustics, Speech, and Signal
Processing, Dallas, TX, April, 1987.
- Therrien, C S; El-Shaer, H
Methods for multichannel 2-D spectrum analysis:
Description and comparison
Intl. Conf. on Acoustics, Speech, and Signal
Processing, Dallas, TX, April, 1987.
- Therrien, C W
Linear prediction for 2-D vector random fields
19th Ann. Asilomar Conf. on Circuits, Systems, and
Computers, Pacific Grove, Calif., Nov. 6-8, 1985.
- Therrien, C W
Multichannel filtering methods for color image
segmentation
IEEE Computer Soc. Conf. on Computer Vision and
Pattern Recognition, San Francisco, Calif., July
19-23, 1985.
- Therrien, C W
Multichannel image analysis
4th ASSP Workshop on Multidimensional Signal
Processing, Leesburg, Va., Oct. 28-30, 1985.
- Therrien, C W
Multichannel 2-D spectrum analysis
5th IEEE ASSP Workshop on Multidimensional Signal
Processing, Noordwijkerhout, The Netherlands, Sept.,
1987.
- Therrien, C W; El-Shaer, H
Maximum likelihood multichannel multidimensional
spectrum estimation
SPIE 30th Annual Intl. Technical Symposium on Optical
and Optoelectronic Applied Sciences and Engineering,
San Diego, CA, August, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

CONFERENCE PRESENTATIONS (cont'd)

- Therrien, C W; El-Shaer, H
Multichannel 2-d autoregressive spectrum estimation
20th Annual Asilomar Conf. on Signals, Systems, and
Computers, Pacific Grove, CA, November, 1986.
IN Proc. 20th Annual Asilomar Conf. on Signals,
Systems, and Computers, p. 259-262, (1986).
- Therrien, C W; Schon, M A; Hahn, S C
A multiprocessor system for simulation of multisensor
distributed decision algorithms
19th Ann. Asilomar Conf. on Circuits, Systems, and
Computers, Pacific Grove, Calif., Nov. 6-8, 1985
- Titus, H A; Jarrell, J
Use of Kalman filtering to track hurricanes
16th Conf. on Hurricanes and Tropical Meteorology,
Houston, Tex., May 14-17, 1985.
- Ziomek, L J
Underwater acoustic model-based signal processing
Seminar - Dept. of Electrical Eng., Duke Univ., Mar.
27, 1986.
- Ziomek, L J; Behrie, C D
Localization of multiple broadband targets via frequency
domain adaptive beamforming for planar arrays
Twenty-first Ann. Asilomar Conf. on Signals, Systems,
and Computers, Pacific Grove, CA, November, 1987.
- Ziomek, L J; Chan, F
Frequency domain adaptive beamforming for planar arrays
20th Ann. Asilomar Conf. on Signals, Systems, and
Computers, Pacific Grove, CA, Nov. 10-12, 1986.
- Ziomek, L J; Vos, J
Linear time-invariant space-variant filters and the WKB
approximation
IEEE Int. Conf. on Acoustics, Speech, and Signal
Processing, Tampa, Fla., Mar. 26-29, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.
CONTRIBUTIONS TO BOOKS

- Knorr, J B
Problems for radar systems: A manual
J.B. Knorr, 1985. 23 p. (For use with Introduction
to radar systems, by M. I. Skolnik.)
- Lynch, J F; Miller, J H; Frisk, G V; Chiu, C S
Multiple scattering of normal modes from rough surfaces
with application to shallow water acoustics and ocean
acoustic tomography
IN V V Varadan and V J Varadan eds.: Multiple
scattering of waves in random media and random rough
surfaces, Pennsylvania State Univ. Press, 1987, p.
747-766.
- Morgan, M A
Input signal shaping
IN L. Felsen, ed.: Theoretical Aspects of
Target Classification, NATO AGARD, 1987.
- Morgan, M A
Numerical modeling
IN L. Felsen, ed.: Theoretical Aspects of Target
Classification, NATO AGARD, 1987.
- Morgan, M A
Singularity expansion method
IN L. Felsen, ed.: Theoretical Aspects of
Target Classification, NATO AGARD, 1987.
- Morgan, M A
Test range facilities
IN L. Felsen, ed.: Theoretical Aspects of
Target Classification, NATO AGARD, 1987.
- Strum, R D; Kirk, D E
First principles of discrete systems and digital signal
processing
Reading, MA, Addison-Wesley Pub., 1987. 848 p.
- Strum, R D; Ward, J R
Electric circuits and networks (2nd ed.)
Englewood Cliffs, N. J. Prentice-Hall, Inc., 1985.
535 p.
- Ziomek, L J
Underwater acoustics: A linear systems theory approach
Orlando, Fla., Academic Press, 1985. 290 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.
PUBLISHED PAPERS

- Abbott, L W
Test experience on an ultra-reliable computer
communication network
IEEE/IAAA 6th Digital Avionics Systems Conf., Dec.
3-6, 1984.
IN Proc., (1984).
- Abbott, L W
A synergistic fault tolerant computer design for an
N-version programming environment
19th Asilomar Conf. on Circuits, Systems, and
Computers, Pacific Grove, Calif., Nov. 6-8, 1985.
IN Proc., 6 p., (1985).
- Abbott, L W; Varma, A; Hariri, S; Smyth, R
System design of a nodal communication's processor
IEEE Microprocessor Forum, Atlantic City, N. J., Apr.
2-4, 1985.
IN Proc., 7 p., (1985).
- Atwater, H A
Loading modes of the loaded line phase shifter
IEEE AP/MTT Symposium, Philadelphia, PA, May 5, 1984.
IN Proc., IEEE, (1984).
- Bukofzer, D C
Performance of receivers in digital radio applications
operating in the presence of noise and jamming
Military Communications Conference, Monterey, CA,
October, 1986.
IN Proc., MCC (1986).
- Bukofzer, D C
Optimum and suboptimum detector performance for signals
in cyclostationary noise
IEEE J. on Oceanic Engineering, vol. OE-12, no. 1, p.
97-115, (January, 1987).
- Burl, J B
Singular, systems- A tutorial
Nineteenth Asilomar Conf. on Circuits, Systems, and
Computers, Pacific Grove, CA, 1985.
IN Proc., Nineteenth Asilomar Conf., p. 529-533,
(1985).
- Burl, J B
Application of the Karhunen-Loeve expansion to reduced
order control of distributed parameter systems
2nd IASTED Conf. on Applied Control and
Identification, Los Angeles, CA, 1986.
IN Proc., 2nd IASIEO Conf., p. 40-44, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS

(cont'd)

- Burl, J B
Distributed parameter system identification using
spatial filtering and the Karhunen-Loeve modes
26th IEEE Conf. on Decision and Control, Los Angeles,
CA, 1987.
IN Proc., IEEE, (1987). 6 p.
- Burl, J B
Distributed parameter system identification using
spatial filtering and the Karhunen-Loeve modes
26th IEEE Conf. on Decision and Control, Los Angeles,
CA, 1987.
IN Proc., IEEE, (1987).
- Chu, A; Mahoney, L; Courtney, W E; Chen, C L; Manfra, M;
Atwater, H A
Monolithic analog phase shifters and multipliers for
mm-wave phased array applications
IN Microwave J., vol. 29, no. 12, p. 105-119,
(December, 1986).
- Cristi, R
A note on indirect adaptive control with stabilizable
plant estimates
IEEE Transactions on Automatic Control, vol. AC-32,
(November, 1987).
- Cristi, R
Internal persistency of excitation in indirect adaptive
control
IEEE Transactions on Automatic Control, vol. AC-32,
(December, 1987).
- Cristi, R; Michael, S N
An adaptive algorithm for control of a DC motor on
systolic arrays
Asilomar Conference on Circuits, Systems and
Computers, Pacific Grove, CA, November, 1986.
IN Proc., Asilomar Conf., (1986).
- Das, B N; Janaswamy, R; Sarap, B K
Resonant conductance of inclined slots on the narrow
wall of a rectangular waveguide
IEEE Transactions on Antennas and Propagation, AP-32,
no. 7, p. 759-761, (July, 1984).
- Desaubies, Y; Chiu, C S; Miller, J H
Acoustic mode propagation through a range-dependent
ocean
J. of the Acoustical Soc. of America, vol. 80, no. 4,
p. 1148-1160, (October, 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS

(cont'd)

- Diamessis, J E; Therrien, C W
Modeling unequally spaced 2-d discrete signals by
polynomials
20th Annual Asilomar Conf. on Signals, Systems, and
Computers, Pacific Grove, CA, November, 1986.
IN Proc., Asilomar Conf., p. 444-446, (1986).
- Edwards, T; Horton, K G; Redman, D; Rosa, J M; Rubin, J B;
Yoon, S W; Powers, J P; Netzer, D W
Measurement of particulates in solid propellant motors
23rd JANNAF Meeting, Hampton, VA, October, 1986.
IN Proc., 23rd JANNAF Combustion Meeting, vol. 1,
p.119-132, (1986).
- Gardner, D L; Hofler, T; Baker, S R; Yarber, R K;
Garrett, S L
A fiber-optic interferometric seismometer
J. of Lightwave Technology, vol. LT-5, no. 7, p.
953-960, (July, 1987).
- Guyomar, D; Powers, J P
Transient fields radiated by curved surfaces-application
to focusing
J. of the Acoust. Soc. of Am., vol. 76, no. 5, p.
1564-1572, (Nov., 1984).
- Guyomar, D; Powers, J P
Transient radiation from focused transducers
IEEE Ultrasonics Symp., Dallas, Tex., Nov. 14-16,
1984.
IN Proc., 1984 IEEE Ultrasonics Symp., p. 979-982,
(1984).
- Guyomar, D; Powers, J P
Propagation of transient acoustic waves in lossy and
lossless media
14th Symp. on Acoustical Imaging, The Hague,
Netherlands, Apr. 22-25, 1985.
IN Acoustical imaging, vol. 14, New York, N. Y.
Plenum Press, 1985, p. 521-531.
- Guyomar, D; Powers, J P
Transient fields from focused acoustic waves
14th Symp. on Acoustical Imaging, The Hague,
Netherlands, Apr. 22-25, 1985.
IN Acoustical imaging, vol. 14, New York, N. Y.,
Plenum Press, 1985, p. 629-633.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS

(cont'd)

- Guyomar, D; Powers, J P
A Fourier approach to diffraction of pulsed ultrasonic waves in lossless media
IEEE Ultrasonic Symp., San Francisco, CA, Oct. 16-18, 1985.
IN Proc., IEEE Press, p. 692-695, (1986).
- Guyomar, D; Powers, J P
Transient radiation from axially symmetric sources
J. Acoust. Soc. of Am., vol. 79, no. 2, p. 273-277, (Feb., 1986).
- Guyomar, D; Powers, J P
A Fourier approach to diffraction of pulsed ultrasonic waves in lossless media
J. of the Acoustic Soc. of America, vol. 83, no. 1, p. 354-359, (July, 1987).
- Ha, T T; Robertson, R. Clark
Geostationary satellite navigation systems
IEEE Transactions on Aerospace and Electronic Systems, vol. AES-23, no. 2, p. 247-254, (1987).
- Harri, R K; Lee, Y S; Hickey, P J; Graham, K J;
Powers, J P; Netzer, D W
Experimental techniques for obtaining particulate behavior in metallized solid propellant combustion
21st JANNAF Combustion Mtg., Laurel, Md., Oct. 1-4, 1984.
IN Proc., C.P.I.A., p. 1-14, (1985).
- Hippenstiel, R D
Recursive arma modeling
21st Ann. Asilomar Conf. on Signals, Systems and Computers, Monterey, CA, 1987.
IN Proc., 21st Asilomar Conf., (1987).
- Janaswamy, R
A simplified expression for the self/mutual impedance between coplanar and parallel dipoles
IEEE Transactions on Antennas and Propagation, AP-35, no. 10, p. 1174-1176, (October, 1987).
- Janaswamy, R; Schaubert, D H
Dispersion characteristics of wide slot lines on low permittivity substrates
IEEE Transactions on Microwave Theory and Techniques, MTT-32, no. 8, p. 723-726, (August, 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS

(cont'd)

- Janaswamy, R; Schaubert, D H
Analysis of the tapered slot antenna
IEEE/AP-S Symposium and National Radio Science
Meeting, Philadelphia, PA, June, 1986.
IN AP-S Int'l. Symposium Digest, IEEE, p. 689-692,
(1986).
- Janaswamy, R; Schaubert, D H
Characteristic impedance of a wide slot line on a low
permittivity substrate
IEEE Transactions on Microwave Theory and Techniques,
MTT-33, no. 8, p. 900-902, (August, 1986).
- Janaswamy, R; Schaubert, D H
Analysis of the tapered slot antenna
IEEE Transactions on Antennas and Propagations, vol.
AP-35, no. 9, p. 1058-1065, (September, 1987).
- Janaswamy, R; Schaubert, D H; Pozar, D M
Analysis of the TEM mode tapered slot antenna
Radio Science, vol. 21, no. 5, p. 797-804,
(Sept.-Oct., 1986).
- Jauregui, S
Radio frequency distribution: Problem areas
Signal to Noise Enhancement Program, Naval
Postgraduate School, Monterey, Calif., Nov. 6-7,
1984.
IN Proc., NAVELEX, 120 p., (Mar., 1985).
- Kirk, D E; Verly, J G
A distributed implementation of fast Fourier transforms
18th Asilomar Conf. on Circuits, Systems and
Computers, Pacific Grove, Calif., Nov., 1984.
IN Proc., IEEE Computer Soc., p. 72-78, (1985).
- Knorr, J B
Guide EM waves with atmospheric ducts
Microwaves and RF, 4 p., (May, 1985).
- Knorr, J B; Deal, J C
Scattering coefficients of an inductive strip in a
finline: Theory and experiment
IEEE Trans. on Microwave Theory and Techniques, vol.
33, no. 10, p. 1011-1017, (Oct., 1985).
- Knorr, J B; Karantanas, D T
Simulation optimizes noise jammer design
Microwave J., 5 p., (May, 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS

(cont'd)

- Lee, C -H
Surface representation of aerial photographs
DMA Technol. Interchange Conf., DMA Hdqtrs.,
Washington, D.C., Dec. 11-13, 1984.
IN Proc., DMA, 14 p., (1984).
- Lee, C -H
A parallel image registration architecture using CAM
memory
19th Asilomar Conf. on Circuits, Systems, and
Computers, Pacific Grove, CA, Nov. 6-8, 1985.
IN Proc., IEEE, (1985).
- Lee, C -H; Keiyu, A
Image compression using nonuniform samples with
controlled compression
19th Asilomar Conf. on Circuits, Systems, and
Computers, Pacific Grove, CA, Nov. 6-8, 1985.
IN Proc., IEEE, (1985).
- Lee, H
A class of pulses whose strength decrease more slowly
than $1/r$
Fifth Intl. Conf. on Antennas and Propagation, Univ.
of York, York, United Kingdom, April, 1987.
IN Proc. of ICAP '87, P. 512-515, (April, 1987).
- Lee, H -M
On Wu's electromagnetic missile
IEEE Symp. on Antenna Technol. and Appl.
Electromagnetics, Winnipeg, Canada, Aug. 1986.
IN Proc. Univ. of Manitoba, Winnipeg, Canada, p.
1-8, (Aug., 1986).
- Lee, H -M
Time-domain radiation from an aperture
IEEE/AP-S Int.
IN Symp. Digest, IEEE Press, p. 1019-1021, (June,
1986).
- Lee, H -M
Fields from a uniform current source - instantaneous
switch-on
J. of Appl. Phys., vol. 60, no. 2, p. 514-517, (July,
1986).
- Lee, H -M
Electromagnetic scattering of tubular cylindrical
structure- double series formulation and some result
IEEE Transactions on Antennas and Propagation, vol.
35, no. 4, p. 384-390, (April, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS

(cont'd)

- Lee, H -M; Chung, G P; Geller, D; Hakley, B
H-11 circular waveguide mode and back scattering cross
section along the axis of a thin walled tubular cylinder
of finite length
IEE Proc. H: Microwaves, optics, and antennas, vol.
133, p. 77-78, (Feb., 1986).
- Lee, H -M; Geller, D; Haklay, B; Setiawan, A; Chung, G B
Back scattering cross section along the axis of a
tubular cylinder of finite length
1985 Int. Symp. on Antennas and Propagation, Kyoto,
Japan, Aug. 19-22, 1985.
IN Proc., ISAP'85, vol. 3, p. 815-818, (1985).
- Lee, H -M; Lee, S -C
Spherically symmetric Kaluza-Klein monopoles
Phys. Letters, vol. 149B, p. 95-97, (Dec., 1984).
- Lee, S -C; Lee, H -M
Transient front and initial conditions in Maxwell's
theory
J. of Applied Physics, vol. 61, no. 2, p. 804-805,
(January, 1987).
- Lev-Ari, H; Parker, S R
Lattice modeling of 2-D fields
IN Proc., IEEE Conf. on Acoustics, Speech and
Signal Processing (ASSP), 3 p., (Mar., 1985).
- Lynch, J F; Spindel, R C; Chiu, C S; Miller, J H;
Birdsall, T
Results of the MIZEX '84 preliminary tomography
transmissions: Implications for MIZ, Arctic, and
surface wave tomography
J. of Geophysical research, vol. 37, no. C7, p.
6869-6885, (July, 1987).
- Madan, B B; Parker, S R
Adaptive beam forming in a correlated noise environment
IN Proc., IEEE Conf. on Acoustics, Speech and
Signal Processing (ASSP), 5 p., (Mar., 1985).
- Madan, B B; Parker, S R; Zubair, M
Systolic array structures for least square problems
IN Proc., IASTED Symp. on Signal Processing, 5
p., (June, 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS

(cont'd)

- Maggenti, M; Ha, T T; Pratt, T
VSAT networks- An overview
Intl. J. of Satellite Communications, vol. 5, p.
219-225, (1987).
- Michael, S N; Gariano, P
Applications of precision, high-slew rate OP AMPS in
active networks
28th Midwest Symp. on Circuits and Systems,
Louisville, Ky., Aug. 1985.
IN Proc., (Aug., 1985).
- Michael, S N; Gariano, P
Micro and macromodeling of integrated operational
amplifiers and their use in developing and evaluating
new composite OPAMPS
28th Midwest Symp. on Circuits and Systems,
Louisville, Ky., Aug. 1985.
IN Proc., (Aug., 1985).
- Michael, S N; Gariano, P
Optimization of high-speed, high-accuracy integrated
operational AMP
28th Midwest Symp. on Circuits and Systems,
Louisville, Ky., Aug., 1985.
IN Proc., (1985).
- Michael, S N; Mikhael, W
High frequency filtering and inductance simulation using
new composite generalized immittance converters
IEEE Symp. on Circuits and Systems, Kyoto, Japan,
June, 1985.
IN Proc., (1985).
- Michael, S N; Mikhael, W
Inverting integrator and active filter applications of
composite operational amplifiers
IEEE Transaction on Circuits and Systems, vol.
CAS-34, no. 5, p. 449-460, (May, 1987).
- Morgan, M A
Scatterer discrimination based upon natural resonance
annihilation
J. of Electromagnetic Waves and Applications, vol. 2,
no. 2, p. 155-176, (June, 1987).
- Morgan, M A; Milne, E A; Fisher, D L
Electromagnetic scattering by stratified anisotropic
media
IEEE Transactions on Antennas and Propagation, vol.
AP-35, no. 2, p. 191-197, (February, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS

(cont'd)

- Morgan, M A; Welch, B E
Field feedback formulation for electromagnetic scattering
IEEE Transactions on Antennas and Propagation, vol. AP-34, no. 12, p. 1377-1392, (December, 1986).
- Netzer, D; Powers, J P
Particle sizing in rocket motor studies utilizing hologram image processing
Automated Reduction of Data from Images and Holograms, NASA Conf. Publication 2477, p. 589-606, (1987).
- Netzer, D W; Powers, J P
Combustion/particle sizing experiments at the Naval Postgraduate School Combustion Research Laboratory
Workshop on Automated Reduction of Data from Images and Holograms, NASA Ames, Mountain View, Calif., Jan. 10-11, 1985.
IN Proc., NASA, (1985).
- Netzer, D W; Powers, J P
Experimental techniques for obtaining particulate behavior in solid propellant combustion
IN AGARD Conf. Proc., no. 391 - Smokeless Propellants AGARD-CP-391, AGARD, p. 19-1-19-17, (1985).
- Netzer, D W; Powers, J P
Particle sizing in rocket motor studies utilizing hologram image processing
NASA Workshop on Automated Reduction of Data from Images on Holograms, Moffett Field, Calif., Jan. 10-11, 1985
IN Proc., NASA, (1985).
- Netzer, D W; Powers, J P
Experimental techniques for obtaining particle behavior in solid propulsion combustion
AGARD Conf. on Smokeless Propellants, Florence, Italy, Sept. 12-13, 1985.
IN AGARD Conf. Proc. No. 391, p. 19.1-19.17, (1986).
- Newmaster, J T; Brininstool, M R; Hofler, T; Garrett, S L
Remote fiber optic sensors for angular orientation
Fiber Optic and Laser Sensors V, San Diego, CA, August, 1987.
IN Proc. Soc. Photo-Optical Inst. Eng. (SPIE) 838, August 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS

(cont'd)

- Pardikar, V P; Tummala, M; Rao, B V
Digital FIR filtering with residue number system
Intl. J. of Electronics, vol. 63, no. 3, p. 307-315,
(1987).
- Parker, S R
Discrete time lattice parameter modeling
IN Proc., IEEE Int. Symp. on CAS, 8 p., (June,
1985).
- Parker, S R; et al.
Asymmetric half plane modeling of 2-D fields with
lattice structures
IN Proc., IEEE Int. Symp. on CAS, 5 p., (June,
1985).
- Parker, S R; et al.
Tensor formulation for the modeling of discrete
nonlinear systems
IN Proc., IEEE Int. Symp. on CAS, 5 p., (June,
1985).
- Powers, J P; Guyomar, D
Transfer function model for propagation in homogeneous
media
Intl. Symp. on Pattern Recognition and Acoustical
Imaging, Newport Beach, CA, February, 1987.
IN Pattern Recognition and Acoustical Imaging,
SPIE, p. 253-258, (1987).
- Powers, J P; Shavit, Z; Biblarz, O; Miller, J A
Variable focal length radiometer for particle sizing
ICIASF '85 (11th Int. Cong. on Instrumentation in
Aerospace Simulation Facilities), Stanford Univ.,
Aug. 26-28, 1985.
IN Proc., p. 115-122, (1985).
- Robertson, R Clark; Ha, T T
Optimum noise source impedance determination for Ga As
FETs at room and cryogenic temperatures
Intl. J. of Electronics, vol. 63, no. 3, p. 359-369,
(1987).
- Shefi, A; Therrien, C W; Kirk, D E; Friedlander, B
Passive multipath target tracking in inhomogeneous
acoustic medium
Intl. Conf. on Acoustics, Speech, and Signal
Processing, Dallas, TX, April, 1987.
IN Proc., 20th Intl. Conf. on Acoustics, Speech,
and Signal Processing, p. 463-466, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS

(cont'd)

- Therrien, C W
Linear prediction for 2-D vector random fields
19th Ann. Asilomar Conf. on Circuits, Systems, and
Computers, Pacific Grove, Calif., Nov. 6-8, 1985.
IN Proc., (1985).
- Therrien, C W
Multichannel filtering methods for color image
segmentation
IEEE Computer Soc. Conf. on Computer Vision and
Pattern Recognition, San Francisco, Calif., July
19-23, 1985.
IN Proc., p. 637-639, (1985).
- Therrien, C W; El-Shaer, H
Maximum likelihood multichannel multidimensional
spectrum estimation
SPIE 30th Annual Intl. Technical Symposium on Optical
and Optoelectronic Applied Sciences and Engineering,
San Diego, CA, August, 1986.
IN SPIE Proceedings-Real Time Signal Processing,
vol. 827, (1986).
- Therrien, C W; El-Shaer, H
Multichannel 2-d autoregressive spectrum estimation
20th Annual Asilomar Conf. on Signals, Systems, and
Computers, Pacific Grove, CA, November 10-12, 1986.
IN Proc., Asilomar Conf., p. 259-262, (1986).
- Therrien, C W; El-Shaer, H
Methods for multichannel 2-D spectrum analysis:
Description and comparison
Intl. Conf. on Acoustics, Speech, and Signal
Processing, Dallas, TX, April, 1987.
- Therrien, C W; Schon, M A; Hahn, S C
A multiprocessor system for simulation of multisensor
distributed decision algorithms
19th Ann. Asilomar Conf. on Circuits, Systems, and
Computers, Pacific Grove, Calif., Nov. 6-8, 1985.
IN Proc., (1985).
- Tummala, M; Parker, S R
A recursive least squares algorithm for gray-marked
lattice
1987 IEEE Intl. Symp. on circuits and Systems,
Philadelphia, PA, May, 1987.
IN Proc., IEEE, p. 438-441, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.

PUBLISHED PAPERS

(cont'd)

- Tummala, M; Parker, S R
A new efficient adaptive cascade lattice structure
IEEE Transactions on Circuits and Systems, vol.
CAS-34, no. 7, p. 707-711, (July, 1987).
- Tummala, M; Rao, B V
A modified LMS algorithm for fast processing- Analysis
and realization
Intl. J. of Electronics, vol. 63, no. 3, p. 345-352,
(1987).
- Tummala, M; Rao, B V
A study of LMS and SET algorithms for FIR filtering
J. of computers and Electrical Engineering, vol. 13,
no. 3/4, p. 169-175, (1987).
- Tummala, M; Rao, B V
A SER based algorithm for estimating sinusoids in white
noise
J. of Computers and Electrical Engineering, vol. 13,
no. 1, p. 1-6, (1987).
- Ziomek, L J
Linear time-invariant space-variant filters and the
parabolic equation approximation
Signal Processing, vol. 8, no. 4, p. 423-439, (July,
1985).
- Ziomek, L J
Underwater acoustics
IN The Encyclopedia of Physical Science and
Technology, New York, NY, Academic Press, vol. 1,
1987, p. 171-190.
- Ziomek, L J; Chan, F
Frequency domain adaptive beamforming for planar arrays
Twentieth Ann. Asilomar Conf. on Signals, Systems,
and Computers, Pacific Grove, CA, November, 1986.
IN Conference Record, Asilomar Conf. on Signals,
Systems, and computers, p. 120-124, (1987).
- Ziomek, L J; Vos, J
Linear time-invariant space-variant filters and the WKB
approximation
IEEE Int. Conf. on Acoustics, Speech, and Signal
Processing, Tampa, Fla., Mar. 26-29, 1985.
IN Proc., vol. 1, p. 184-187, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.
TECHNICAL REPORTS AND NOTES

- Abbott, L W
Test experience on an ultra-reliable computer
communication network
N.A.S.A., (NASA-TM-85915), Dec., 1984. 6 p.
- Burl, J B
Computation of the associated legendre functions
Sponsored by Ford Aerospace and Communications Corp.,
Newport Beach, CA. Ford Report No. 7B23-87-001),
1987. 10 p.
- Burl, J B
Spherical mode expansion of a radiation pattern
Sponsored by Ford Aerosol and Communications Corp.,
Newport Beach, CA. (Ford Report No. 7B23-87-002),
1987. 15 p.
- Burl, J B; Hunter, R P
Extending ASP operation to the ASPEXCAP frequency
Sponsored by Ford Aerospace and Communications Corp.,
Newport Beach, CA, (Ford Report ASP-87-001), 1987.
30 p.
- Burl, J B; Hunter, R P
Extending ASF operation to the ASPEXCAP frequency
Sponsored by Ford Aerospace and Communications Corp.,
Newport Beach, CA. (Ford Report No. ASP-87-001),
1987. 30 p.
- Burl, J B; Stubberud, A R
Control of distributed parameter systems study- final
report
Sponsored by McDonnell Douglas Astromautics Corp.,
Huntington Beach, CA, 1987. 130 p.
- Burl, J B; Stubberud, A R
Control of distributed parameter systems study- Final
report
Sponsored by McDonnell Douglas Astronautics
Corporation, Huntington Beach, CA., 1987. 130 p.
- Chang, J F
The queueing model of a packet switch subject to routing
in computer networks
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-62-85-027), Sept.,
1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF ELEC. AND COMPUTER ENG.
TECHNICAL REPORTS AND NOTES (cont'd)

- Gerba, A J
Simulation and performance of brushless DC motor
actuators
Sponsored by Naval Weapons Center, China Lake, CA.
Naval Postgraduate School, (NPS-69-85-028), Dec.,
1985. 25 p.
- Guyomar, D; Powers, J P
Boundary effects on transient radiation fields from
vibrating surfaces
J. of the Acoust. Soc. of Am., vol. 77, no. 3, p.
907-915, (Mar., 1985).
- Ha, T T; Pratt, T
Study of spread spectrum multiple access systems for
satellite communications with overlay on current
services
Sponsored by NASA Lewis Research Center, Contract NAS
3-24887, 1987. 234 p.
- Lee, C -H
Similarity counting architecture for object detection
Naval Postgraduate School, (NPS-62-86-007), June,
1986. 25 p.
- Lee, C -H
Model-based building verification in aerial photographs
Sponsored by Defense Mapping Agency, Washington, DC,
Naval Postgraduate School, (NPS- 62-87-001),
September, 1987. 37 p.
- Therrien, C W
The analysis of multichannel two-dimensional random
signals
Sponsored by Chief of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-62-87-002), Oct. 31,
1986. 98 p.
- Therrien, C W
The analysis of multichannel two-dimensional random
signals
Sponsored by Chief of Naval Research, Washington, DC.
Naval Postgraduate School, (NPS-62-87-002), October,
1986. 93 p.
- Therrien, C W; Lim, J
Study on image processing for turbid water viewing
Sponsored by Naval Undersea Warfare Engineering
Station, Naval Postgraduate School, Monterey, CA,
(NPS-62-87-013), June, 1987. 30 p.

DEPARTMENT
OF
MATHEMATICS

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS
CONFERENCE PRESENTATIONS

- Cantin, G; Hartmann, M
On the solution of big problems with microcomputers
PVP (Pressure Vessel and Piping) Conf., Chicago, IL,
Summer 1986.
- Crowder, S; Wu, C T
Visual information management system for an effective
performance of office tasks
2nd Intl. Conf. on Human-Computer Interacton,
Honolulu, HI, Aug., 1987.
- Danielson, D A
Nonlinear beam kinematics by decomposition of the
rotation tensor
ASME Applied Mechanics, Bioengineering, and Fluids
Engineering Conf., Cincinnati, OH, June, 1987.
- Danielson, D A
Notes on nonlinear beam theory
AIAA/ASME/ASCE/AHS 28th Structures, Structural
Dynamics, & Materials Conf., Monterey, CA, April,
1987.
- Franke, R H
Recent advances in the approximation of surfaces from
scattered data
Taller Internacional Sobre Aproximacion de
Funciones de Varias Variables, Santiago, Chile,
December, 1986.
- Franke, R H
Smoothing splines with GCV for weather problems
Approximation Theory Workshop, Univ. of Florence,
Italy, July 2-3, 1986.
- Franke, R H; Schumaker, L
A bibliography of multivariate approximation
Taller Internacional Sobre Aproximacion de
Funciones de Varias Variables, Santiago, Chile,
December, 1986.
- Madison, D E; Wu, C T
An expert system interface and data requirements for the
integrated design and manufacturing process
3rd Intl. Conf. on Data Engineering, Los Angeles, CA,
Feb., 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

CONFERENCE PRESENTATIONS (cont'd)

- Madison, D E; Wu, C T
An integration in computer integrated manufacturing
Intl. Computer Engineering Design Conf., Boston, MA,
Aug., 1987.
- McMahon, J; Franke, R H
Selection of knot locations for approximation of
scattered data by least squares thin plate splines
Participatory Symp. on topics in GAGD, Wolfenbuettel,
West Germany, June 24-27, 1986.
- Neta, B
Special methods for problems whose oscillatory solution
is damped
1986 Ordinary Differential Equations conf.,
Albuquerque, NM, July 28-Aug. 1, 1986.
- Neta, B; Hinsman, D E; Williams, R T
Studies in a shallow water fluid model with topography
11th IMAC World Cong., Oslo, Norway, Aug. 5-9, 1985.
- Neta, B; Williams, R T
Finite elements versus finite differences for fluid flow
problems
Numeta 87, Swansea, United Kingdom, July, 1987.
- Owen, G
Values of graph-restricted games
Math. Games Theory Conf., Oberwolfach Math. Inst., F.
R. G., Mar. 18-24, 1984.
- Owen, G
Application of game theory to social networks
Math. Assoc. of America, No. Calif. Chapter, Ann.
Mtg., San Francisco State Univ., Feb. 24, 1984.
- Owen, G
Fair indirect majority rules
Econometric Soc. 5th Ann. Latin American Mtg.,
Bogota, Colombia, July 23-27, 1984.
- Owen, G
Fair indirect majority rules
Public Choice Soc. Ann. Mtg., Phoenix, Ariz, Mar.
28-30, 1984.
- Owen, G
Values of graph-restricted games
Math. Games Theory Conf., Oberwolfach Math. Inst., F.
R. G., Mar. 18-24, 1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

CONFERENCE PRESENTATIONS (cont'd)

- Owen, G
Pari mutual as a system of aggregation
NATO Advanced Study Institute on Game Theory,
Anacapri, Italy, June, 1987.
- Owen, G
The finagle point for characteristic function games
Intl. Conf. on Game Theory, Columbus, OH, June, 1987.
- Owen, G; Carreras, F
Evaluation of the Catalanian Parliament, 1980-84
Public Choice Soc. Mtg., Tucson, AZ, March, 1987.
- Owen, G; Carreras, F
Evaluation of the Catalanian Parliament 1980-84
4th Italian Conf. on Game Theory, Bergamo, Italy,
June, 1987.
- Owen, G; Carreras, F
Evaluation of the Euskaran Parliament, 1986
Intl. Conf. on Parliamentary Coalitions, Fiesole,
Italy, May, 1987.
- Parry, S H; Hartman, J K; Schoenstadt, A
Airland research model
52nd Military Operations Research Symposium, Ft.
Leavenworth, KS, July, 1984.
- Weir, M D
Mathematical modeling: A nuclear arms race
California Mathematics Council, College Division
Conf., Holiday Inn, Monterey, Calif., Dec., 1984.
- Weir, M D
Teaching mathematical modeling
3rd Intl. Conf. on Mathematical Modeling, St. Louis,
MO, August, 1987.
- Weir, M D; Giordano, F R
A two-tiered approach to teaching mathematical modeling
Math Asso. of Am., New Jersey Section Mtg., Stevens
Inst. Technol., NJ, Apr 26, 1986.
- Weir, M D; Giordano, F R
Mathematical modeling
MD-DC-VA Section of Math Asso. of Am. workshop,
Salisbury State College, MD, June 2-6, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

CONFERENCE PRESENTATIONS (cont'd)

- Weir, M D; Giordano, F R
Teaching mathematical modeling
12th Annual AMATYC Convention, San Francisco, CA,
November, 1986.
- Weir, M D; Giordano, F R
Teaching mathematical modeling
MAA Section Workshop/Pennsylvania-Delaware, Grantham,
PA, June, 1987.
- Weir, M D; Giordano, F R
Teaching mathematical modeling
70th Ann. AMS-MAA Joint Mtgs., San Antonio, TX,
January, 1987.
- Wu, C T
Concurrency in linear and interpolation hashing
19th Ann. Conf. on Information Sciences and Systems,
Baltimore, Md., Mar., 1985.
- Wu, C T
Data organization method for the parallel execution of
relational operation
Int. Conf. on Foundations of Data Organization,
Kyoto, Japan, May, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

CONTRIBUTIONS TO BOOKS

- DeVito, C L
Applications of the non-standard theory of locally
convex spaces
IN Lin and Simons, eds.: Non-Linear and Convex
Analysis, vol. 107, Marcel Dekker, Inc., 1987, p.
37-47.
- Finney, R L; Hoffman, D T; Schwartz, J L; Wilde, C O
Calculus toolkit (Apple)
Reading, Pa., Addison-Wesley, 1984.
- Finney, R L; Hoffman, D T; Schwartz, J L; Wilde, C O
Calculus student's toolkit (Apple)
Reading, Pa., Addison, Wesley, 1985.
- Finney, R L; Hoffman, D T; Schwartz, J L; Wilde, C O
Calculus student's toolkit (IBM-PC)
Reading, Pa., 1985. Addison-Wesley, 1985.
- Finney, R L; Hoffman, D T; Schwartz, J L; Wilde, C O
Calculus toolkit (IBM-PC)
Reading, Pa., 1985. Addison-Wesley, 1985.
- Grofman, B; Owen, G; eds.
Aggregation of opinions and group decisions
Reidel Publ., 1984. 250 p.
- Neta, B; Williams, R T; Hinsman, D E
Studies in a shallow water model with topography
IN Numerical Mathematics and Applications,
Elsevier Science Publishers, 1986, p. 347-354.
- Owen, G
Fair indirect majority rules
IN B. Grofman and G. Owen, eds.: Aggregation of
opinions and group decisions, Reidel Publ.,
1984.
- Owen, G
Condorcet Models: Avenues for future Research
IN A. Grofman, G. Owen: Information pooling &
group decision making, JAI Press, p. 93-102,
(1986).
- Owen, G
Fair indirect majority rules
IN B. Grofman and G. Owen: Information pooling
and group decision making, JAI Press, p.
223-229, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

CONTRIBUTIONS TO BOOKS

(cont'd)

- Owen, G; Grofman, B
Coalitions and power in political situations
IN M. Holler, ed.: Coalitions and collective
action, Wuerzburg, F. R. G., Physika-Verlag,
1984, p. 137-144.
- Owen, G; Grofman, B; eds.
Information pooling and group decision making
JAI Press, 1986. 280 p.
- Schoenstadt, A; Birkhoff, G
Elliptic problem solvers II
New York, NY, Academic Press, 1984. 572 p.
- Schoenstadt, A L; Birkhoff, G B; eds.
Elliptic problem solvers II New York, N. Y., Academic
Press, 1984. 572 p.
New York, N. Y., Academic Press, 1984. 572 p.
- Weir, M D
Self-study manual for calculus and analytic geometry
(2nd ed.)
Reading, Mass., Addison-Wesley Publ. Co., 1984. 393
p.
- Weir, M D; Fox, W; Giordano, F R; Maddox, S
Mathematical modeling with minitab
Monterey, CA, Brooks/Cole Pub., 1987. 219 p.
- Weir, M D; Fox, W P; Giordano, F R; Maddox, S L
Mathematical modeling with minitab
Brooks/Cole Pub., 1986. 230 p.
- Weir, M D; Giordano, F R
A first course in mathematical modeling
Monterey, Calif., Brooks-Cole Publ. Co., 1984. 382
p.
- Weir, M D; Giordano, F R
Instructor's manual for a first course in mathematical
modeling
Brooks/Cole Pub. Co., Monterey, Calif., 1985. 186 p.
- Wu, C T
Data organization method for the parallel execution of
relational operations
IN Y. Kambayashi, ed.: Foundations of Data
Organization, Plenum Pub., 1987, p. 529-538.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS
PUBLISHED PAPERS

- Cantin, G; Hartmann, M
On the solution of big problems with microcomputers
PVP (Pressure Vessel and Piping) Conf., Chicago, IL,
Summer 1986.
IN Engineering applications of microcomputers
PVP-vol. 102, CED-vol. 2, ASME, (1986).
- Danielson, D A
Notes on nonlinear beam theory
AIAA/ASME/ASCE/AHS 28th Structures, Structural
Dynamics, & Materials Conf., Monterey, CA, April,
1987.
IN 28th Structures, Structural Dynamics, and
Materials Conf., p. 496-500, (1987).
- Danielson, D A; Hodges, D H
Notes on nonlinear beam theory
AIAA/ASME/ASCE/AHS 28th Structures, Structural
Dynamics, and Materials Conf., 1987.
IN Proc., AIAA/ASME/ASCE/AHS, Part 1, p. 496-500,
(1987).
- Danielson, D A; Hodges, D H
Nonlinear beam kinematics by decomposition of the
rotation tensor
J. of Applied Mechanics, vol. 54, p. 258-262, (June,
1987).
- DeVito, C L; Suchanek, A M
Schauder's theorem & Riesz theory for compact-like
operators
Mathematische Zeitschrift, no. 192, p. 129-134,
(1986).
- Franke, R H; Schumaker, L
A bibliography of multivariate approximation
Taller Internacional Sobre Aproximacion de
Funciones de Varias Variables, Santiago, Chile,
December, 1986.
IN Topics in Multivariate Approximation, Academic
Press, p. 275-335, (1987).
- Franke, R H; Schumaker, L
A bibliography of multivariate approximation
Taller Internacional Sobre Aproximacion de
Funciones de Varias Variables, Santiago, Chile,
December, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

PUBLISHED PAPERS

(cont'd)

- Franke, R H; Schumaker, L
A bibliography of multivariate approximation
Taller internacional Sobre Aproximacion de
Franciones de Varias Variables, Santiago, Chile,
December, 1986.
IN Topics in Multivariate approximation, Academic
Press, p. 275-335, (1987).
- Fredricksen, H; Hales, A W; Sweet, M M
A generalization of Swan's theorem
Mathematics of Computation, vol. 46, no. 173, p.
321-331, (Jan., 1986).
- Fredricksen, H; Kessler, I
An algorithm for generating necklaces of beads in two
colors
Discrete Mathematics, vol. 61, p. 181-189, (November,
1986).
- Fredricksen, H; Kessler, I J
An algorithm for generating necklace of beads in two
colors
Discrete Mathematics, vol. 61, nos. 2-3, p. 181-188,
(1986).
- Fredricksen, H; Ward, R
Table of irreducible binary pentanomials of degrees 4
through 100
Mathematics of Computation, (January, 1987).
- Goldstein, A A; Russak, I B
How good are the proximal point algorithms?
Numerical Functional Analysis and Optimization, vol.
9, no. 7&8, p. 709-724, (1987).
- Grofman, B; Owen, G; Feld, S L
Group size and the performance of a composite group
majority: Statistical truths and empirical results
Organizational Behavior and Human Performance, vol.
33, p. 350-359, (1984).
- Hartman, J K; Parry, S H; Schoenstadt, A L
Airland research model
IN Proc., 52nd MORS, (1984).
- Madison, D E; Wu, C T
An expert system interface and data requirements for the
integrated design and manufacturing process
3rd Intl. Conf. on Data Engineering, Los Angeles, CA,
Feb. 1987.
IN Proc., 3rd Intl. Conf. on Data Engineering, p.
610-618, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

PUBLISHED PAPERS

(cont'd)

- Owen, G
Application of game theoretic analysis to demography
Management Science, vol. 33, no. 2, p. 253-257,
(February, 1987).
- Owen, G; Grofman, B
To vote or not to vote: The paradox of nonvoting
Public Choice, vol. 42, p. 311-325, (1984).
- Owen, G; Grofman, B; Glazer, A; Noviello, N
Stability and centrality of legislative choice
American Poli. Science Review, p. 539-553, (1987).
- Weir, M D; Fox, W; Giordano, F R; Maddox, S
Teaching linear programming with MINITAB
The COED J., (Computers in Education), vol. 7, no. 1,
p. 2-5, (January, 1987).
- Weir, M D; Fox, W P; Giordano, F R; Maddox, S L
Teaching linear programming with MINITAB
Computers In Education (CoED) J., p. 1-4, (Dec.,
1986).
- Weir, M D; Giordano, F R; Jaye, M
The use of dimensional analysis in mathematical modeling
UMAP Journal, vol. 7, no. 2, p. 157-178, (June,
1986).
- Weir, M D; Giordano, F R
A first modeling course: The use of UMAP modules
UMAP J., vol. 6, no. 4, p. 1-6, (1986).
- Weir, M D; Jaye, M J; Giordano, F R
The use of dimensional analysis in mathematical modeling
UMAP J., vol. 7, no. 2, p. 157-178, (June, 1986).
- Wu, C T
Data organization method for the parallel execution of
relational operation
Int. Conf. on Foundations of Data Organization,
Kyoto, Japan, May, 1985.
IN Proc., (May, 1985).
- Wu, C. T.
Concurrency in linear and interpolation hashing
19th Ann. Conf. on Information Sciences and Systems,
Baltimore, Md., Mar., 1985.
IN Proc., John Hopkins Univ., (Mar., 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

PUBLISHED PAPERS

(cont'd)

Madison, D E; Wu, C T

An integration in computer integrated manufacturing
Intl. Computer Engineering Design Conf., Boston, MA,
Aug., 1987.
IN Proc., ICEDC, p. 394-398, (1987).

Neta, B

Families of backward differentiation methods based on
trigonometric polynomials
Intl. J. of Computer Mathematics, vol. 20, (1987).

Neta, B; Hinsman, D E; Williams, R T

Studies in a shallow water fluid model with topography
11th IMAC World Cong., Oslo, Norway, Aug. 5-9, 1985.
IN Proc., IMAC, p. 209-213, (1985).

Neta, B; Nelson, P

An adaptive method for the numerical solution of a
Fredholm integral equation of the second kind. Part 1:
Regular kernels
Applied Mathematics and Computation, vol. 21, p.
171-184, (1987).

Neta, B; Williams, R T

Stability and phase speed for various finite element
formulations of the advection equation
Computers and Fluids, vol. 14, no. 4, p. 393-410,
(1986).

Neta, B; Williams, R T

Finite elements versus finite differences for fluid flow
problems
Numeta 87, Swansea, United Kingdom, July, 1987.
IN Transient/Dynamic Analysis and Constitutive
Laws for Engineering Materials, vol. 2, p.
T11/1-3, (1987).

Nielson, G M; Franke, R

A method for construction of surfaces under tension
Rocky Mountain J. of Math., vol. 14, no. 1, p.
203-221, (1984).

Owen, G

Values of graph-restricted games
SIAM J. of Algebraic and Discrete Methods, vol. 7,
no. 2, p. 210-220, (Apr., 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS
TECHNICAL REPORTS AND NOTES

- Bassingthwaighe, J B; Chan, J S; Goldstein, A A;
Russak, I B
GGOPT an unconstrained non-linear optimizer
Naval Postgraduate School, (NPS-53-86-016), Sept.,
1986. 10 p.
- Beda, T J; Wu, C T; Zyda, M J
An improved user interface for an interactive graphics
figure illustrator
Sponsored by Naval Postgraduate School, Monterey, CA,
(NPS-52-87-025), June, 1987.
- Boger, D C; Jayachandran, T
Evaluating alternative long range forecasts of inflation
Prepared for Office of the Assistant Secretary of
Defense (Comptroller), Washington, D.C. Naval
Postgraduate School, (NPS-54-84-0021), July, 1984
- Carreras, F; Owen, G
Evaluation of the Catalanian Parliament, 1980-1984
Naval Postgraduate School, (NPS-53-86-010), July,
1986. 6 p.
- Franke, R H
Recent advances in the approximation of surfaces from
scattered data
Sponsored by Naval Postgraduate School, Monterey, CA,
(NPS-53-87-001), April, 1987. 32 p.
- Franke, R H
Statistical interpolation by iteration
Sponsored by Office of Naval Research, Arlington, VA.
Naval Postgraduate School, Monterey, CA,
(NPS-53-87-003), 1987. 8 p.
- Franke, R H
Sources of error in objective analysis
Prepared for Naval Environmental Prediction Res.
Facility, Monterey, Calif. Naval Postgraduate
School, (NPS-53-84-0003), May, 1984. 50 p.
- Franke, R H
Covariance functions for statistical interpolation
Prepared for Naval Environmental Prediction Research
Facility, Monterey, CA. Naval Postgraduate School,
(NPS-53-86-007), Sept., 1986. 84 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Franke, R H; Barker, E; Goerss, J
The use of observed data from the initial value problem
in numerical weather prediction
Sponsored by Office of Naval Research, Arlington, VA,
Naval Postgraduate School, (NPS-53-87-002), April,
1987. 39 p.
- Franke, R H; McMahon, J
Knot selection for least squares thin plate splines
Sponsored by Naval Postgraduate School, Monterey, CA,
(NPS-53-87-005), September, 1987. 20 p.
- Goldstein, A; Russak, I B
High accuracy determination of submarine hull mounted
transducers
Prepared for Naval Undersea Warfare Eng. Station.
Naval Postgraduate School, (NPS-53RU-84-0008), Sept.,
1984 9 p.
- Goldstein, A A; Russak, I B
A study of proximal point algorithms
Naval Postgraduate School, (NPS-53-86-015), Sept.,
1986. 12 p.
- Goldstein, A A; Russak, I B
Optimal triangulation in the presence of range errors
Prepared for NUWES, Keyport, WA. Naval Postgraduate
School, (NPS-53-86-012), Nov., 1986. 11 p.
- Gonen, A
Evaluating $A^T D A$ for sparse matrices:
Analysis
Sponsored by Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-53-84-0006), June,
1984. 23 p.
- Hartman, M
A user friendly mesh generator using the C programming
language
Naval Postgraduate School, (NPS-53-86-0005), Feb.,
1986. 44 p.
- Jayachandran, T
An evaluation of the performance of a new storm tracking
methodology
Prepared for Naval Environmental Prediction Res.
Facility, Monterey, Calif., Naval Postgraduate
School, (NPS-53-84-0007),

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Madison, D E; Wilbur, T G; Wu, C T
A data-oriented approach to integrating manufacturing functions
Sponsored by NPS Research Foundation, Naval Postgraduate School, Monterey, CA, (NPS-52-87-024), June, 1987. 42 p.
- Madison, D E; Wu, C T
A database approach to computer integrated manufacturing: Process planning using group technology
Sponsored by NPS Research Foundation and Naval Ocean Systems Command, Monterey, CA, (NPS-52-87-036), August, 1987. 17 p.
- Mendez, R H
The performance of the NEC SX-2 supercomputer system compared with that of the Cray X-MP/4 and Fujitsu VP-200
Naval Postgraduate School, (NPS-53-86-011), Sept., 1986.
- Neta, B
Special methods for problems whose oscillatory solution is damped
Sponsored by NPS foundation Res. Program. Naval Postgraduate School, (NPS-53-86-012), Sept., 1986. 19 p.
- Neta, B; Navon, I M
The transfer function analysis of the Turkel-Zwas scheme for the shallow-water equations
Sponsored by Florida State Univ., (FSV-SCRI-87-30), June, 1987. 23 p.
- Owen, G
Pari-mutuel as a system of aggregation of information
Sponsored by NPS Foundation Res. Program. Naval Postgraduate School, (Tech. rep.), Sept., 1984. 23 p.
- Owen, G; Carreras, F
Evaluation of the Catalanian parliament, 1980-1984
Sponsored by National Science Foundation/Joint Spanish-U.S. Committee on Science. Naval Postgraduate School, (NPS-53-86-010), July, 1986.
- Owen, G; Grofman, B; Glazer, A; Noviello, N
A new look at an old solution concept
Sponsored by National Science Foundation. Univ. of California at Irvine, School of Social Sciences, Apr., 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Owen, G; Landa, J; Grofman, B
Equilibrium prices and expected profit shares among a
small spatially arrayed ring of traders
Univ. of Calif. - Irvine, (Tech. rep.), June 6, 1984.
11 p.
- Owen, G; Maschler, M
The expected marginal payoff value for hyperplane games
Sponsored by National Science Foundation. Hebrew
Univ. Jerusalem, Israel, Research Memo 74, (Oct.,
1985).
- Owen, G; Wuffle, A; Feld, S; Grofman, B
Finagle's law and the finagle point
Sponsored by Science Foundation. Univ. of California
at Irvine, School of Social Science, Apr., 1986.
- Russak, I B; Goldstein, A A
Optimal triangulation in the presence of range errors
Sponsored by NUWES, Keyport, Washington. Naval
Postgraduate School, (NPS-53-86-013), Sept., 1986.
13 p.
- Russak, I B; Goldstein, A A; Chan, J S;
Bassingthwaite, J R
An algorithm for noisy function minimization for use in
optimal trajectory design
Sponsored by Naval Surface Weapons Center, Dahlgren,
VA. Naval Postgraduate School, (NPS-53-86-014),
Sept., 1986.
- Schoenstadt, A; Parry, S H
Toward an axiomatic generalized value system
Sponsored by U.S Army TRADOC Systems Analysis Agency.
Naval Postgraduate School, (NPS-53-86-008), May,
1986. 24 p.
- Wayman, J L
New methods of measuring normal acoustic impedance
Sponsored by NPS Foundation Res. Program. Naval
Postgraduate School, (NPS-53-84-0005), Jan. 1, 1984.
15 p.
- Wayman, J L
A variance detector for signal-gap discrimination in
noisy speech channel
Naval Postgraduate School, (NPS-53-85-0007), May,
1985. 18 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MATHEMATICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Williamson, L
Linear algebra using Pascal MT+
Naval Postgraduate School, (NPS-53-86-0001), Jan.,
1986. 88 p.
- Wilson, O B; Esary, J D
Annual summary report, range studies program
Sponsored by Naval Undersea Warfare Engineering
Station. Naval Postgraduate School,
(NPS-61-86-033PR), Oct., 1985. 19 p.
- Wu, C T
Glad: Graphics language for database
Sponsored by NPS Research Foundation and Naval Ocean
Systems Commands, Naval Postgraduate School,
Monterey, CA, (NPS-52-87-030), July, 1987.
- Wu, C T
Towards fully-computerized database maintenance for
non-traditional applications
Sponsored by NPS Research Foundation and Naval Ocean
System Command, Monterey, CA, (NPS-52-87-031), July,
1987. 15 p.
- Zyda, M J; Wu, C T; Falby, J S
A data structure for a multi-illumination model renderer
Sponsored by HQ, USACDEC, FT Ord, Ca. Naval
Postgraduate School, (NPS-52-86-026), Dec., 1986.
129 p.

**DEPARTMENT
OF
MECHANICAL ENGINEERING**

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING
CONFERENCE PRESENTATIONS

- Adachi, K; Perkins, A J
The effect of thermal cycling on Martensitic
transformations in a Cu-Zn-Al alloy
Int. Symp. on Shape Memory Alloys, Guilin, China,
Sept. 6-9, 1986.
- Adachi, K; Perkins, A J; Wayman, C M
Intervariant and interplate group boundaries in 18R
Cu-Zn-Al Martensites
Int. Conf. on Martensitic Transformations
(ICOMAT-86), Nara, Japan, Aug. 26-30, 1986.
- Cantin, G; Hartmann, M
On the solution of big problems with microcomputers
PVP (Pressure Vessel and Piping) Conf., Chicago, IL,
Summer, 1986.
- Challenger, K
Elevated temperature fatigue of 2.25Cr-1Mo steel
Int. Congress on Fracture, New Delhi, India, Dec.,
1984.
- Challenger, K
Welding the Cu-precipitation hardened HSLA steels
AWS Ann. Conf., Chicago, IL, March, 1987.
- Challenger, K
Welding the Cu-precipitation hardened HSLA steels
IIW Ann. Meeting, Corrosion IX, Sofia, Bulgaria,
July, 1987.
- Chang, L W; Gannon, K P
A dynamic model on a single-link flexible manipulator
ASME Vibration Conf., Boston, MA, September, 1987.
- Culbreth, W G
Computer-aided data acquisition and instruction for
Naval engineers
ASEE-PSW Computer Aided Processing in Instruction and
Research, Phoenix, Ariz., Oct. 29-30, 1984.
- Daube, F G; Shin, Y S
Postprocessing of UNDEX responses of submerged
cylindrical shell using PATRAN-G
2nd PATRAN Users Conf., Newport Beach, Calif., May
21-22, 1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

CONFERENCE PRESENTATIONS (cont'd)

- Kelleher, M D
Computation of Turbulent flow over a moving wavy wall
ONR Drag Reduction Symp., Nat. Academy of Sci.,
Washington DC, Oct. 22, 1985.
- Kelleher, M D; Balasubramanian, N R
On the use of linearized boundary conditions in the
computation of flow over wavy walls
Energy Source Technology Conf., New Orleans, Feb.
12-16, 1984.
- Kelleher, M D; Knock, R H; Yang, K T
Laminar natural convection in a rectangular enclosure
due to a heated protrusion on one vertical wall- Part 1:
Experimental investigation
1987 ASME-JSME Thermal Engineering Joint Conf.,
Honolulu, HA, March, 1987.
- Knott, G A; Shin, Y S
Vibrating violin
PATRAN Users Conf., Newport Beach, CA, June 3-5,
1986.
- Lee, E W; McNelley, T R
Effects of thermomechanical processing of high-Mg,
Al-Mg-X alloys on superplastic behavior
Ann. Fall Mtg. of the Metallurgical Soc. of AIME,
Detroit, Mich., Sept. 16-20, 1984.
- Lee, E W; McNelley, T R
Enhanced ductility in 7475 aluminum by thermomechanical
processing
115th Annual Mtg. Metallurgical Soc. of AIME, New
Orleans, LA, Mar. 24-27, 1986.
- Lee, E W; McNelley, T R; Alcamo, M E; Berthhold, D B
Evolution of microstructure during superplastic flow in
AL-10%MG-0.1%Zr
Annual Fall Mtg. Metallurgical Soc. of AIME and Am.
Soc. for Metals, Toronto, Canada, Oct. 7-10, 1985.
- Lee, J J; Liu, K V; Yang, K T; Kelleher, M D
Laminar natural convection in a rectangular enclosure
due to a heated protrusion on one vertical wall- Part
II: Numerical simulations
1987 ASME-JSME Thermal Engineering Joint Conf.,
Honolulu, HA, March, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING
CONFERENCE PRESENTATIONS (cont'd)

- Ligrani, P M; Bradshaw, P
Subminiature hot-wire sensors and resolution of
small-scale turbulence
5th Symp. on Turbulent Shear Flows, Cornell Univ.,
N.Y., Aug. 7-9, 1985.
- Liu, K V; Yang, K T; Kelleher, M D
Three dimensional natural convection cooling of an array
of heated protrusions in an enclosure filled with a
dielectric liquid
Intl. Symposium on Cooling Technology for Electronic
Equipment, Honolulu, HA, March, 1987.
- Marto, P J
Recent progress in enhancing film condensation heat
transfer on horizontal tubes- keynote paper
8th Int. Heat Transfer Conf., San Francisco, CA, Aug.
17-22, 1986.
- Marto, P J; Mitrou, E; Wanniarachchi; Rose, J W
Film Condensation of steam on horizontal finned tubes:
Effect of fin Shape
8th Int. Heat Transfer Conf., San Francisco, CA, Aug.
17-22, 1986.
- Marto, P J; Wanniarachchi; Pulido, R J
Augmenting the nucleate pool boiling characteristics of
GEWA-T finned tubes in R-113
ASME Winter Annual Mtg., Miami, FL, Nov. 20, 1985.
- McNelley, T R
Development of microstructure and mechanical properties
in thermomechanical processing of high-Mg, Al-Mg alloys
Naval Air Syst. Command, Washington, D.C., Sept.
11-12, 1984.
- McNelley, T R
Observation of microporosity in a hegt of M-50 steel
Advances in Bearing Technol. Sem., Naval Postgraduate
School, Monterey, Calif., Aug. 21-22, 1985.
- McNelley, T R
Superplasticity in thermomechanically processed high-Mg,
Al-Mg alloys
Symp. on Mech. Behavior of Aluminum Alloys, Stanford
Univ. - Calif., Apr. 16, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING
CONFERENCE PRESENTATIONS (cont'd)

- McNelley, T R; Butterfield, F A
Porosity Associated with insoluble carbides in VIM-VAR
AISI M-50 steel and its probable effects on rolling
contact fatigue
Joint Am. Soc. Lubrication Engineers and Am. Soc. for
Mechanical Engineers Tribology Conf., Atlanta, GA,
Oct. 22-24, 1985.
- McNelley, T R; Garg, A
Development of microstructure and mechanical properties
in thermomechanical processing of high Mg, Al-Mg alloys
WESTEC-84, Am. Soc. for Metals and Soc. for Mfg.
Engrs., Los Angeles, Calif., Mar. 19-22, 1984.
- McNelley, T R; Hartmann, T S
The effect of recrystallization and grain growth on the
activation energy for superplastic deformation in an
Al-Mg-Zr alloy
115th Annual Mtg. Metallurgical Soc. of AIME, New
Orleans, LA, Mar. 14-17, 1986.
- McNelley, T R; Lee, E W
Development of high strength in high-Mg, Al-Mg-X alloys
by thermomechanical processing
Ann. Fall Mtg. of the Metallurgical Soc. of AIME,
Detroit, Mich., Sept. 16-20, 1984.
- McNelley, T R; Lee, E W
Effect of TMP variables on superelasticity in
Al-10Mg-0.5Mn
114th TMS-AIME Ann. Mtg., New York, N.Y., Feb. 24-28,
1985.
- McNelley, T R; Lee, E W
Superplastic high-Mg, Al-Mg alloys by thermomechanical
processing
Naval Postgraduate School, Monterey, Calif., May 22,
1985.
- McNelley, T R; Lee, E W; Garg, A
Superplasticity in a thermomechanically processed
high-Mg, Al-Mg-X alloy
Int. Conf. on Aluminum Alloys--Their Physical and
Mechanical Properties, Univ. of Virginia,
Charlottesville, VA, June 16-20, 1986.
- McNelley, T R; Lee, E W; Self, R J; Hartmann, T S
Influence of Cu, Mn and Zr additions on the superplastic
behavior of Al-Mg-X Alloys
Annual Fall Mtg. Metallurgical Soc. of AIME and Am.
Soc. for Metals, Toronto, Canada, Oct. 7-10, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING
CONFERENCE PRESENTATIONS (cont'd)

- Nunn, R H
Jet vane heat transfer modeling
KTA-9 Group Mtg., Naval Postgraduate School,
Monterey, CA, July, 1986.
- Nunn, R H
Modeling of jet vane heat-transfer characteristics and
simulation of thermal response
TTCP Panel W4 (Propulsion Technology), Key Technical
Area 9, Naval Weapons Center, China Lake, September,
1987.
- Nunn, R H; Linsell, D
Liquid crystal thermography study of jet-crossflow
surface interactions
AIAA/AHS/ASEE Aircraft Design Systems and Operations
Mtg., San Diego, Calif., Oct. 31 - Nov. 2, 1984.
- Nunn, R H; Olson, F
Application of numerical optimization to modern control
Optimization Users' Group Mtg., Santa Barbara, CA,
Aug. 11-12, 1986.
- Perkins, A J
The two-way shape memory effect
Int. Symp. on Shape Memory Alloys, Guilin, China,
Sept. 6-9, 1986.
- Perkins, A J
Tweed microstructures and the evolution of high damping
in Cu-Mn-based alloys
Phase Transformations '87, Cambridge, MA, July, 1987.
- Petroka, P; Chang, L W
Computer simulation and experimental validation of a
dynamic model (equivalent rigid link system) on a
single-link flexible manipulator
57th Shock and Vibration Symposium, New Orleans, LA,
October, 1986.
- Petroka, R P; Chang, L W
Computer simulation and experimental validation of a
dynamic model (equivalent rigid link system) on a
single-link flexible manipulator
57th Shock and vibration Symp., New Orleans, LA, Oct.
14-16, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

CONFERENCE PRESENTATIONS (cont'd)

Sarpkaya, T
Effect of orbital motion on resistance in harmonic flow
16th Int. Cong. of Theoretical and Applied Mechanics,
Copenhagen, Denmark, Aug. 19-25, 1984.

Sarpkaya, T
Resistance in combined wave and current flow
16th Int. Cong. of Theoretical and Applied Mechanics,
Copenhagen, Denmark, Aug. 19-25, 1984.

Sarpkaya, T; Storm, M A
Hydrodynamic forces from combined wave and current flow
on smooth and rough circular cylinders at high Reynolds
numbers
Offshore Technol. Conf., Houston, Tex., May, 1984.

Sarpkaya, T; Wilson, J
Pressure distribution on smooth and rough cylinders in
harmonic flow
Ocean Structural Dynamic Symp., Oregon State Univ. -
Corvallis, Sept. 11-13, 1984.

Shin, Y S; Kim, K S; Dew, D D
Strain dependent damping characteristics of a high
damping manganese-copper alloy
ASME Biennial Conf. on Mechanical Vibration and
Noise, Boston, MA, September, 1987.

Strandquist, J H; Shin, Y S
Investigation into the effects of using detonating cord
to remove a conventional propeller from a water borne
surface ship
The 56th Shock and Vibration Symp., Monterey, CA,
Oct. 22-24, 1986.

Wanniarachchi; Marto, P J; Reilly, J T
The effect of oil contamination on the nucleate pool
boiling performance of R-114 from a porous-coated
surface
ASHRAE 1986 Annual Mtg., Portland, OR, June 22-25,
1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING
CONTRIBUTIONS TO BOOKS

- Kelleher, M D
The diffusion of turbulent buoyant jets
IN B. Gebhart and D. S. Hilder, eds.: Advances
in heat transfer, vol. 16, New York, N. Y.,
Academic Press, Inc., 1984, p. 1-57.
- Perkins, A J
Shape memory alloys
IN Encyclopedia of Sci. and Technol., 16th ed.,
McGraw Hill, 1985.
- Sarpkaya, T
Oscillating flow about cylinders: Experiments and
analysis
IN ASME-FED, Vol. 52, Forum on Unsteady Flow
Separation, 1987, p. 139-146.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING
PUBLISHED PAPERS

- Adachi, K; Perkins, A J
Lattice image studies on the intervariant boundary
structure of Cu-Zn-Al martensite
Metallurgical Trans. A, vol. 16, (1985).
- Adachi, K; Perkins, A J
The effect of thermal cycling on Martensitic
transformations in a Cu-Zn-Al alloy
Int. Symp. on Shape Memory Alloys, Guilin, China,
Sept. 6-9, 1986.
IN Proc., China Academic Pub., p. 280-285, (1986)
- Adachi, K; Perkins, A J; Wayman, C M
Type II Twins in self-accommodating Martensite plate
variants in a Cu-Zn-Al shape memory alloy
Acta Metallurgica, vol. 34, p. 2471-2485, (1986).
- Adachi, K; Perkins, A J
Deformation of Martensite in polycrystalline Cu-Zn-Al
alloy
Metallurgical Trans. A, vol. 17A, p. 945-959, (June,
1986).
- Butterfield, F A; McNelley, T R
Porosity associated with insoluble carbides in VIM-VAR
AISI M-50 steel and its probable effect on rolling
contact fatigue
Trans., ASME, vol. 108, p. 352-358, (July, 1986).
- Cantin, G; Hartmann, M
On the solution of big problems with microcomputers
PVP (Pressure Vessel and Piping) Conf., Chicago, IL,
Summer, 1986.
IN Engineering applications of microcomputers
PVP-vol. 102,, CED-vol. 2, ASME, (1986).
- Challenger, K
Elevated temperature fatigue of 2.25Cr-1Mo steel
Advances in Fracture Res., vo. 3, p. 2239-2248,
(Dec., 1984).
- Challenger, K; Deb, P; Burna, R F
Microstructural characterization of shielded metal arc
weldments of a Cu-bearing HSLA steel
Materials Sci. and Technol., vol. 1, p. 1000-1006,
(1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

- Challenger, K; Deb, P; Clark, D R
TEM characterization of preheated and non-preheated SMA
weldments of HY-80 steel
Materials Sci. and Eng., vol. 77, p. 155-167, (1986).
- Chang, L W; Gannon, K P
A dynamic model on a single-link flexible manipulator
ASME Vibration Conf., Boston, MA, September, 1987.
IN Model Testing and Analysis (DE-Vol. 3), ASME,
p. 23-38, (Sept. 1987).
- Daube, F G; Shin, Y S
Postprocessing of UNDEX responses of submerged
cylindrical shell using PATRAN-G
2nd PATRAN Users Conf., Newport Beach, Calif., May
21-22, 1984.
IN Conf. Proc., PDA Eng., (May, 1984).
- Garg, A; McNelley, T R
Estimation of the Martensite carbon content in
AS-quenched AISI 52100 steel by X-ray diffraction
Materials Letters, vol. 4, p. 214-218, (June. 1986).
- Joung, I; Shin, Y S
A new model on transient wave propagation in
fluid-filled tubes
ASME J. of Pressure Vessel Technology, vol. 109, p.
88-93, (February, 1987).
- Kelleher, M D; Balasubramanian, N R
On the use of linearized boundary conditions in the
computation of flow over wavy walls
Energy Source Technology Conf., New Orleans, Feb.
12-16, 1984.
IN ASME Symp., vol. FED-11, Laminar Turbulent
Boundary Layers, p. 73-77, (1984).
- Kelleher, M D; Knock, R H; Yang, K T
Laminar natural convection in a rectangular enclosure
due to a heated protrusion on one vertical wall- Part 1:
Experimental investigation
1987 ASME-JSME Thermal Engineering Joint Conf.,
Honolulu, Hawaii, March, 1987.
IN Proc., ASME-JSME, (1987).
- Knott, G A; Shin, Y S
Vibrating violin
PATRAN USERS Conf., Newport Beach, CA, June 3-5,
1986.
IN Proc., 1986 PATRAN Users conf., 1986. 364 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

- Kraus, A D
Efficiency of extended surface
ASME Symp.: Heat transfer in electronic equipment,
HTD-v. 57, p. 23-29, (June, 1986).
- Kraus, A D; Snider, A D
Choking and optimization of extended surface arrays
J. of Heat Transfer, v. 107, p. 746-749, (Nov.,
1985).
- Lee, E W; McNelley, T R; Stengel, A F
The influence of processing variables on superplasticity
in a high-Mg, Al-Mg alloy
Metallurgical Trans. A, vol. 17A, p. 1043-1050,
(June, 1986).
- Lee, J J; Liu, K V; Yang, K T; Kelleher, M D
Laminar natural convection in a rectangular enclosure
due to a heated protrusion on one vertical wall- Part
II: Numerical simulations
1987 ASME-JSME Thermal Engineering Joint Conf.,
Honolulu, Hawaii, March, 1987.
IN Proc., ASME-JSME, (1987).
- Ligrani, P M; Bradshaw, P
Subminiature hot-wire sensors and resolution of
small-scale turbulence
5th Symp. on Turbulent Shear Flows, Cornell Univ.,
N.Y., Aug. 7-9, 1985.
IN Preprint, (1985).
- Ligrani, P M; Bradshaw, P
Spatial resolution and measurement of small-scale
turbulence in the viscous sublayer using subminiature
hot-wire probes
Experiments in Fluids, vol. 5, no. 6, p. 407-417,
(August, 1987).
- Ligrani, P M; Bradshaw, P
Subminiature hot-wire sensors: Development and use
J. of Physics E - Scientific Instruments, vol. 20,
no. 3, p. 323-332, (March, 1987).
- Ligrani, P M; Camci, C
Adiabatic film cooling effectiveness from heat transfer
measurements in compressible, variable-property flow
J. of Heat Transfer, vol. 107, no. 2, p. 313-320,
(May, 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

- Ligrani, P M; Moffat, R J
Structure of transitionally rough and fully rough
turbulent boundary layers
J. Fluid Mechanics, vol. 162, p. 69-98, (Jan., 1986)
- Ligrani, P M; Moffatt, R J
Thermal boundary layers on a rough surface downstream of
steps in wall temperature
Boundary Layer Meteorology, vol. 31, no. 2, p.
127-147, (Feb., 1985).
- Liu, K V; Yang, K T; Kelleher, M D
Three dimensional natural convection cooling of an array
of heated protrusions in an enclosure filled with a
dielectric liquid
Intl. Symposium on Cooling Technology for Electronic
Equipment, Honolulu, HA, March, 1987.
IN Proc., ISCTEE, Univ. of Hawaii, (1987).
- Marto, P J
Recent progress in enhancing film condensation heat
transfer on horizontal tubes - keynote paper
8th Int. Heat Transfer Conf., San Francisco, CA, Aug.
17-22, 1986.
IN Heat Transfer 1986, Hemisphere, vol. 1, p.
161-170, (1986).
- Marto, P J; Looney, D J; Rose, J W; Wanniarachchi
Evaluation of organic coating for the promotion of
dropwise condensation of steam
Int. J. of Heat and Mass Transfer, vol. 29, no. 8, p.
1109-1117, (Aug., 1986).
- Marto, P J; Mitrou, E; Wanniarachchi; Rose, J W
Film condensation of steam on horizontal finned tubes:
Effect of fin shape
8th Int. Heat Transfer Conf., San Francisco, CA, Aug.
17-22, 1986.
IN Heat Transfer 1986, Hemisphere, vol. 4, p.
1695-1700, (1986).
- Marto, P J; Wanniarachchi; Pulido, R J
Augmenting the nucleate pool boiling characteristics of
GEWA-T finned tubes in R-113
IN Augmentation of Heat Transfer in Energy
Systems, ASME HTD, vol. 52, p. 67-73, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

- McNelley, T R
Observation of microporosity in a heat of M-50 steel
Advances in Bearing Technol. Sem., Naval Postgraduate
School, Monterey, Calif., Aug. 21-22, 1985.
IN Preprint, (1985).
- McNelley, T R
Superplasticity in thermomechanically processed high-Mg,
Al-Mg alloys
Symp. on Mech. Behavior of Aluminum Alloys, Stanford
Univ. - Calif., Apr. 16, 1985.
IN Preprint, (1985).
- McNelley, T R; Garg, A
Development of structure and mechanical properties in
Al-10.2 wt. pct. Mg by thermomechanical processing
Scripta metallurgica, vol. 18, no. 9, p. 917-922,
(Sept., 1984).
- McNelley, T R; Lee, E W
Effect of TMP variables on superelasticity in
Al-10Mg-0.5Mn
114th TMS-AIME Ann. Mtg., New York, N.Y., Feb. 24-28,
1985.
IN Preprint, (1985).
- McNelley, T R; Lee, E W; Garg, A
Superplasticity in a thermomechanically processed
high-Mg, Al-Mg-X alloy
Int. Conf. on Aluminum Alloys--Their Physical and
Mechanical Properties, Univ. of Virginia,
Charlottesville, VA, June 16-20, 1986.
IN Proc., Int. Conf. on Aluminum Alloys, Their
Physical and Mechanical Properties, p.
1269-1284, (June, 1986).
- McNelley, T R; Lee, E W; Mills, M E
Superplasticity in a thermomechanically processed,
high-Mg, Al-Mg alloy
Metallurgical Trans. A, vol. 17A, p. 1035-1041,
(June, 1986).
- Nunn, R H
Vorticity growth and decay in the jet in cross flow
AIAA J., vol. 23, no. 3, p. 473-476, (Mar., 1985).
- Nunn, R H; Bry, W A
Drag of a tubular projectile with internal blockage
J. of Spacecraft and Rockets, vol. 21, no. 2, p.
216-219, (Mar.-Apr., 1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

- Nunn, R H; Linsell, D
Liquid crystal thermography study of jet-crossflow
surface interactions
AIAA/AHS/ASEE Aircraft Design Systems and Operations
Mtg., San Diego, Calif. Oct. 31 - Nov. 2, 1984.
IN Proc., Paper no. AIAA-84-2432, (1984).
- O'Hare, M S; Hess, L E; Kraus, A D
The effectiveness of heat exchanges with one shell pass
and n-tube passes (n odd)
8th Int. Heat Transfer Conf., San Francisco, CA,
1986.
IN ASME Proc., 8th Int. Heat Transfer Conf., p.
2691-2696, (1986).
- Perkins, A J
Martensitic transformation cycling and the phenomenon of
two-way shape memory
Int. Conf. on Phase Transformations in Solids, Crete,
Greece, June, 1983.
IN Materials Research Soc. Symp., p. 669-674,
(1984).
- Perkins, A J
The two-way shape memory effect
Int. Symp. on Shape Memory Alloys, Guilin, China,
Sept. 6-9, 1986.
IN Proc., China Academic Pub., p. 201-206, (1986).
- Perkins, A J
Tweed microstructures and the evolution of high damping
in Cu-Mn-based alloys
Phase Transformations '87, Cambridge, MA, July 1987.
IN Proc., Phase Transformations '87, Institute of
Metals, (1987).
- Perkins, A J; Bobowiec, P
Microstructural effects of martensitic transformation
cycling of a Cu-Zn-Al alloy: Vestigial structures in
the parent phase
Metallurgical Trans. A, vol. 16, (1985).
- Perkins, A J; Sponholz, R O
Stress-induced martensite, transformation cycling and
two-way shape memory training in Cu-Zn-Al alloys
Metallurgical Trans. A, vol. 13, p. 313-321, (Feb.,
1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

- Sarpkaya, T
Effect of orbital motion on resistance in harmonic flow
16th Int. Cong. of Theoretical and Applied Mechanics,
Copenhagen, Denmark, Aug. 19-25, 1984.
IN Proc., Univ. of Denmark, p. 1-3, (1984).
- Sarpkaya, T
Resistance in combined wave and current flow
16th Int. Cong. of Theoretical and Applied Mechanics,
Copenhagen, Denmark, Aug. 19-25, 1984.
IN Proc., Univ. of Denmark, p. 4-6, (1984).
- Sarpkaya, T
Discussion of quasi-2-d forces on a vertical cylinder in
waves
J. of Waterway, Port, Coastal and Ocean Eng., (ASCE),
vol. 110, no. 1, p. 120-123, (Feb., 1984).
- Sarpkaya, T
Force on a circular cylinder in viscous oscillatory flow
at low Keulegan-Carpenter numbers
J. of Fluid Mechanics, vol. 165, p. 61-71, (Apr.,
1986).
- Sarpkaya, T
On fluid loading of offshore structures
Proc. of the Offshore Operations Symp., ASME, PD-vol.
1, p. 153-164, (Feb., 1986)
- Sarpkaya, T
Oscillating flow over bluff bodies in a U-shaped water
tunnel
AGARD-CP-413 (Aerodynamics and Related Hydrodynamic
Studies.....), vol. 1, p. 6.1-6.15, (Oct. 1986).
- Sarpkaya, T
Recent developments in separated time-dependent flows
Advancements in Aerodynamics, Fluid Mechanics and
Hydraulics, (ASCE, vol. 1, p. 516-522,) (June, 1986).
- Sarpkaya, T
Trailing vortex wakes on the free surface
16th Symp. on Naval Hydrodynamics, vol. 1, p. 1-12,
(July, 1986)
- Sarpkaya, T
Discussion of hydrodynamic loading of steel structures
Wave, Port, Coastal and Ocean Engineering J. of ASCE,
vol. 113, no. 4, p. 429-430, (June, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

- Sarpkaya, T;
Oscillating flow about smooth and rough cylinders
J. of Offshore Mechanics and Arctic Engineering
(ASME), vol. 11, p. 113-121, (September, 1987).
- Sarpkaya, T; Daly, J J
Effect of ambient turbulence on trailing vortices
J. of Aircraft, vol. 24, no. 6, p. 399-404, (June, 1987).
- Sarpkaya, T; Ihrig, C J
Impulsively started flow about rectangular prisms:
Experiments and discrete vortex analysis
J. of Fluids Engineering, ASME, vol. 108, p. 47-54,
(Mar., 1986).
- Sarpkaya, T; Johnson, S K; Gray, W E; Daly, J J
Contributions to hydrodynamics: Vortex motion in
homogeneous and stratified media
Naval research Reviews, (ONR), vol. 39, p. 3-8,
(August, 1987).
- Sarpkaya, T; Storm, M
In-land force on a cylinder translating in oscillatory
flow
Applied Ocean Res., vol. 7, no. 4, p. 178-190, (Oct., 1985).
- Sarpkaya, T; Storm, M A
Hydrodynamic forces from combined wave and current flow
on smooth and rough circular cylinders at high Reynolds
numbers
Offshore Technol. Conf., Houston, Tex., May, 1984.
IN Proc., p. 324-348, (1984).
- Sarpkaya, T; Wilson, J
Pressure distribution on smooth and rough cylinders in
harmonic flow
Ocean Structural Dynamic Symp., Oregon State Univ. -
Corvallis, Sept. 11-13, 1984.
IN Proc., p. 341-355, (1984).
- Shin, Y S; Kim, K S; Dew, D D
Strain dependent damping characteristics of a high
damping manganese-copper alloy
ASME Biennial Conf. on Mechanical Vibration and
Noise, Boston, MA, September, 1987.
IN ASME Publication DE-Vol. 5- The Role of Damping
in Vibration and Noise Control, p. 229-237,
(September, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

PUBLISHED PAPERS

(cont'd)

- Strandquist, J H; Shin, Y S
Investigation into the effects of using detonating cord
to remove a conventional propeller from a water borne
surface ship
The Shock and Vibration Bulletin, no. 56, pt. 1, p.
121-133, (Aug., 1986).
- Wanniarachchi; Marto, P J; Reilly, J T
The effect of oil contamination on the nucleate pool
boiling performance of R_114 from a porous-coated
surface
ASHRAE 1986 Annual Mtg., Portland, OR, June 22-25,
1986.
IN Trans., ASHRAE, vol. 92, pt. 2, (1986).
- Wanniarachchi; Marto, P J; Rose, J W
Film condensation of steam on horizontal finned tubes:
Effect of fin spacing
J. of Heat Transfer, vol. 108, no. 4, p. 960-966,
(Nov., 1986).
- Welch, M S; Shin, Y S
Numerical analysis of the underwater shock-induced
response of submarine installed equipment
The Shock and Vibration Bulletin, no. 55, suppl. 3,
p. 1-12, (Mar., 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING
TECHNICAL REPORTS AND NOTES

- Challenger, K
An assessment of welding research in Scandinavia
Prepared for Office of Naval Res., (ONRL-R-2-86),
1986. 6 p.
- Challenger, K
An assessment of welding research in Europe
Prepared for Office of Naval Res., (ONRL-R-3-86),
1986. 9 p.
- Challenger, K
Material science research in Europe
Prepared for Office of Naval Res., (ONRL-R-4-86),
1986. 11 p.
- Cronauer, J T; Perkins, A J
Damping behavior of a Ti-Ni shape memory alloy:
Comparison with cu-Mn-based and Fe-Cr-based high damping
alloys
Sponsored by David Taylor Naval Ship Research &
Development ctr, Annapolis, MD, Naval Postgraduate
School, (NPS-69-87-006), June, 1987.
- Escue, W D; Kellogg, T E; Perkins, A J
Corrosion behavior of high damping alloys in seawater
Sponsored by David Taylor Naval Ship Research and
Development Center, Annapolis, MD, Naval Postgraduate
School, (NPS-69-87-007), June, 1987.
- Leary, L W; Perkins, A J
Damping behavior of SONOSTON and INCRAMUTE: Degradation
effects near room temperature
Sponsored by David Taylor Naval Ship Research and
Development Ctr, Annapolis, MD, Naval Postgraduate
School, (NPS-69-87-003), Dec., 1987.
- Leitner, A
Thrust vector control, heat transfer modeling
Sponsored by Naval Weapons Center, China Lake, CA.
Naval Postgraduate School, (NPS-69-86-005), July,
1986. 65 p.
- Ligrani, P M
Subminiature hot-wire sensor construction
Naval Postgraduate School, (NPS-69-84-010), Nov.
1984. 15 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

TECHNICAL REPORTS AND NOTES (cont'd)

- Ligrani, P M; Westphal, R V; Lemos, F R
Development of subminiature multi-sensor hot-wire
probes- Part 1: Horizontal wire and crossed wire
results
Sponsored by National Aeronautics and Space
Administration- Ames Research Center, Moffett Field,
CA, 1987. 50 p.
- Miller, R L; Smith, D L
Dynamic modelling of an electrohydraulic valve using
frequency response data
Sponsored by Naval Postgraduate School, Monterey, CA.
(NPS 69-86-012PR), Dec., 1986. 16 p.
- Newton, R E
Improvements to the Staniforth-Mitchell Barotropic
Numerical Weather Prediction Code
Prepared for Naval Environmental Prediction Research
Facility, Monterey, CA. Naval Postgraduate School,
(NPS-69-86-008), Oct. 15, 1986.
- Nunn, R H; Kelleher, M D
Jet vane heat transfer modeling
Sponsored by Naval Weapons Center. Naval
Postgraduate School, (NPS-69-86-010), Oct., 1986. 54
p.
- Nunn, R H; Wright, R J
Modeling and simulation of a fin actuation system
Prepared for Naval Weapons Center China Lake, Calif.
Naval Postgraduate School, (NPS-69-84-001), Dec.,
1984. 30 p.
- O'toole, J F; Perkins, A J
Damping behavior of an Fe-Cr-Mo alloy: Strain
dependence and heat treatment effects
Sponsored by David Taylor Naval Ship Research &
Development Ctr., Annapolis, MD. Naval Postgraduate
School, (NPS 69-87-002), Dec., 1986. 91 p.
- Reskusich, J; Perkins, A J
Damping behavior of INCRAMUTE: Strain dependence and
heat treatment effects
Sponsored by David Taylor Naval Ship Research &
Development Ctr., Annapolis, MD. Naval Postgraduate
School, (NPS 69-87-001), September, 1986. 113 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

TECHNICAL REPORTS AND NOTES (cont'd)

- Sarpkaya, T
Oscillating flow over bluff bodies in a u-shaped water tunnel
Reviewed and published by Advisory Group for Aerospace Research and Development, (AGARD-CPP-413), October, 1986. 15 p.
- Sarpkaya, T
In-line and transverse forces on smooth and rough cylinders in oscillatory flow at high Reynolds numbers
Sponsored by Nat. Sci. Foundation, Naval Postgraduate School, (NPS-69-86-003), July 4, 1986. 173 p.
- Sarpkaya, T; Daly, J J
Effects of ambient turbulence and stratification on the demise of trailing vortices
Sponsored by Defense Advanced Res. Projects Agency (DARPA). Naval Postgraduate School, (NPS-69-86-006), July, 1986. 147 p.
- Sarpkaya, T; Daly, J J
Effects of ambient turbulence and stratification on the demise of trailing vortices
Sponsored by DARPA, Arlington, VA. Naval Postgraduate School, (NPS-69-86-006), July 11, 1986. 147 p.
- Sarpkaya, T; Henderson, D O
Surface disturbances due to trailing vortices
Prepared for DARPA, Arlington, Va. Naval Postgraduate School, (NPS-69-84-004), Mar., 1984. 157 p.
- Shin, Y S; Kim, K S
Progress report: Analytical and experimental investigations of the damping characteristics of bolted and welded structural connections
Sponsored by David W. Taylor Naval Ship Res. and development Center. Naval Postgraduate School, (NPS-69-86-11), Sept., 1986. 44 p.
- Shin, Y S; Knouse, S T; Milster, P F
Effect of boundary conditions on the damping characteristics of a randomly excited cast nickel aluminum bronze specimen
Prepared for David W. Taylor Naval Ship R&D Center, Annapolis, Md. Naval Postgraduate School, (NPS-69-84-002), Mar., 1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF MECHANICAL ENGINEERING

TECHNICAL REPORTS AND NOTES (cont'd)

- Shin, Y S; Milster, P F
Effect of temperature on the damping characteristics of randomly excited metal plate specimens in a salt water environment
Naval Postgraduate School, (NPS-69-84-007), Sept., 1984.
- Smith, D L
An automatic control specialty for the Mechanical Engineering Department
Prepared for Naval Sea Systems Command, Washington, D.C. Naval Postgraduate School, (NPS-69-84-012), Nov., 1984. 20 p.
- Smith, D L; Harris, J; Lawrence, D
Preliminary studies for a drilling robot firefighter
Sponsored by: Naval Surface Weapons Center/White Oak, Silver Spring, MD, Naval Postgraduate School, (NPS 69-87-005TR), Sept., 1987. 150 p.
- Smith, D L; Mellon, T I; Sawyer, L M; Yobs, R
A feasibility analysis of an autonomous underwater vehicle for mapping the Arctic seabed
Naval Postgraduate School, (NPS-69-86-004), May, 1985. 46 p.
- Smith, D L; Nunn, R H
The automatic control specialty in the Mechanical Engineering Department
Sponsored by Naval Sea Systems Command. Naval Postgraduate School, (NPS-69-85-006PR), Oct., 1985. 64 p.
- Smith, D L; Petroka, R; Yobs, R; Lewis, D; McCarth, W
A mechanical predesign project in robotic fire fighting
Naval Postgraduate School, (NPS-69-85-004), May, 1985. 38 p.
- Wanniarachchi, A S; Marto, P J
An evaluation of Liquid and two-phase cooling techniques for use in electrical machinery: Final report from Oct. 1, 1983 to Sept. 30, 1984.
Prepared for David W. Taylor Naval Ship R & D Center, Annapolis, Md. Naval Postgraduate School, (NPS-69-84-013), Dec., 1984. 52 p.

DEPARTMENT
OF
METEOROLOGY

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY
CONFERENCE PRESENTATIONS

- Adamec, D D; Elsberry, R L
Response of an intense oceanic current system to
cross-stream cooling events
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Adamec, D D; Elsberry, R L
Modifications of an intense oceanic current system
flowing into a region of intense cooling
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,
1985.
- Batteen, M; Haney, R L; Mooers, C N K
Coastal and bathymetric influences on eddy generation in
the California Current System
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.
5-17, 1985.
- Black, P G; Elsberry, R L; Shay, L K; Partridge, R M
Hurricane Josephine surface winds and ocean response
determined from air deployed drifting buoys and
concurrent research aircraft data
16th Technical Conf. on Hurricanes and Meteorology,
Houston, Tex., May, 1985.
- Boyle, J S; Chang, C P
Interseasonal variations in the northern winter
atmospheric tropical/subtropical circulation for the
period 1974 to 1983
IAMAP/IAPSO Joint Symp. on Monsoon Circulation in
Oceans and Atmosphere, Honolulu, Hawaii, Aug. 5-16,
1985.
- Boyle, J S; Wash, C H
Systematic errors in Navy Operational Global Analysis
and Prediction System
7th Conf. on Numerical Weather Prediction, Montreal,
Canada, June, 1985.
- Boyle, P J; Davidson, K L; Schacher, G E
Evaluation of an integrated mixed layer model for single
station prediction in a marine regime
Newscasting -II Symp., Norrkoping, Sweden, Sept. 3-7,
1984.
- Breaker, L C; Mueller, J L; Wash, C H
Satellite observed changes in sea surface temperature
and ocean color resulting from wind forces over the
California Current
AGU Ocean Sciences Mtg., New Orleans, LA, Jan. 13-17,
1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Chang, C P
Midlatitude-tropical interactions during winter monsoons
Nat. Academy of Sciences Workshop on FGGE, Woods
Hole, Mass., July 9-20, 1984.
- Chang, C P
Planetary scale circulation: Observation and theory
Nat. Academy of Sciences on TOGA, La Jolla, Calif.,
Feb. 13-15, 1984.
- Chang, C P
Planetary scale Rossby wave response to tropical heat
sources
Commemorization of the 60th Anniversary of the
Chinese Meteorological Soc., Nanjing, People's
Republic of China, Oct. 10-15, 1984.
- Chang, C P; Lau, K M W; Lim, H
Midlatitude-tropical interaction associated with the
winter monsoon
FGGE Sem. on Progress in Tropical Meteorology,
Tallahassee, Fla., Oct., 1984.
- Chang, C P; Lim, H
Kelvin Wave CISK: A possible mechanism for the 30-50
day oscillation
Intl. Conference on Monsoon and Mesoscale
Meteorology, Taipei, November, 1986.
- Chang, C P; Peng, M S
Variations of Mei-Yu fronts over China
2nd U.S.-P.R.C. Cooperative Workshop on Monsoon
Research, Monterey, Calif., June 10-13, 1985.
- Curry, W T; Elsberry, R L; Chan, J C
An objective determination of tropical cyclone warning
positions
16th Technical Conf. on Hurricanes and Meteorology,
Houston, Tex., May, 1985.
- Davidson, K L
Air-sea interaction in ERS-1 pre-launch experiment
Nansen Center Seminar Series, Nansen Ocean and Remote
Sensing Center, Bergen, Norway, Sep. 15, 1986
- Davidson, K L
Atmospheric boundary layers in the marginal ice zone
Nansen Center Seminar Series, Nansen Ocean and Remote
Sensing Center, Bergen, Norway, May 26, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Davidson, K L
Mesoscale variation of surface wind stress associated
with wind-wave coupling
ONR Workshop on Ocean Wave Dynamics, Woods Hole
Oceanographic Institution, Woods Hole, MA, Aug. 5-7,
1986.
- Davidson, K L
Meteorological studies in the summer and winter Marginal
Ice Zone (MIZ)
Int. Conf. on Polar Lows, Oslo, Norway, May 20-23,
1986.
- Davidson, K L
Parameterization of the MICRO-layer for wind stress
ONR Workshop on MICRO-layer Properties and Air-Sea
Interaction, Boston, MA, Apr. 22-23, 1986.
- Davidson, K L
FASINEX shipboard meteorology: Overview and status
Frontal Air-Sea Interaction Experiment (FASINEX)
Workshop, NPS, Monterey, CA, Sept., 1987.
- Davidson, K L
Surface stress and ABL results in FASINEX
FASINEX Workshop, Woods Hole, MA, October, 1987.
- Davidson, K L; Borrmann, S; Vaucher, C A
Atmospheric boundary layer properties observed in
FASINEX
AGU Fall Meeting, San Francisco, CA, December, 1986.
- Davidson, K L; Boyle, J S; Mundy, J
FASINEX surface and atmospheric mixed layer properties
Frontal Air-Sea Interaction Experiment (FASINEX)
Workshop, NPS, Monterey, CA, Sept., 1987.
- Davidson, K L; Boyle, P J
Surface stress measurements during STREX 1980
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.
5-16, 1985.
- Davidson, K L; Fairall, C W
Optical properties of the marine atmospheric boundary
layer: Aerosol profiles
SPIE, Ocean Optics VIII, Orlando, FL, Mar. 31 - Apr.
1, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Davidson, K L; Gautier, C; Katsaros, K
Radiation with respect to atmospheric boundary layer
cloud conditions
AGU Ocean Sciences Mtg., New Orleans, LA, Jan 13-17,
1986.
- Davidson, K L; Geernaert, G L
Open water atmospheric boundary layer measurements
during MIZEX-84
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Davidson, K L; Geernaert, G L
The effect of sea surface temperature gradients on the
MIZEX atmospheric boundary layer
AGU Spring Mtg., Baltimore, Md., May 27, 1985.
- Davidson, K L; Shaw, W J; Large, W G
FASINEX wind stress results from different platforms and
sensors
Frontal Air-Sea Interaction Experiment (FASINEX)
Workshop, NPS, Monterey, CA, Sept., 1987.
- Durkee, P A
The vertical distribution of marine aerosols inferred
from dual-wavelength radiance measurements
Tropical Mtg. on Optical Remote Sensing of the
Atmosphere, Incline Village, Nev., Jan. 15-18, 1985.
- Durkee, P A
Aerosol characterization with dual-wavelength radiance
measurements
2nd Conf. on Satellite Meteorology/Remote Sensing and
Applications, Williamsburg, VA, May 13-16, 1986.
- Durkee, P A
Continental aerosol effects on marine stratocumulus
development
Clouds in Climate II: A WCRP Workshop, Columbia, MD,
October, 1987.
- Durkee, P A; Gunning, M W; Boyle, J S
Computer-interactive laboratories for the atmospheric
sciences
3rd Intl. Conf. on Interactive Information Processing
Systems for Meteorology, Oceanography, and Hydrology,
New Orleans, LA, Jan., 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Durkee, P A; Haggerty, J A
A method for estimating meteorological range over ocean
from satellites
8th Ann. EOSAEL/TWI Conf., Las Cruces, NM, December,
1987.
- Durkee, P A; Hindman, E E; Jensen, D R; Von Der Haar, T H
Marine aerosol optical depth from satellite detected
radiance
Conf. on Satellite/Remote Sensing and Applications,
Clearwater Beach, Fla., June 25-29, 1984.
- Durkee, P A; Hindman, E E; van der Haar, T H
Marine boundary layer characterization from
satellite-detected aerosol optical depth
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.
5-16, 1985.
- Durkee, P A; Pfeil, F R; Burks, D E
Toward and aerosol climatology of the Pacific from
satellites.
IAMAP Symposium on Aerosols and Climate, Vancouver,
B.C., Canada, August, 1987.
- Durkee, P A; Wash, C H; Tettelbach, F
Effect of pre cloud aerosol distribution on marine
stratus
IAMAP Symposium, Vancouver, CA, August, 1987.
- Elsberry, R L
Numerical prediction of tropical cyclone tracks (lecture
notes)
Workshop on Numerical Weather Prediction, Dept. of
Atmos. Sciences, National Taiwan Univ., Apr., 1984.
- Elsberry, R L
Results of a short course on the Advanced Tropical
Cyclone Model
U.S. Pacific Command Tropical Cyclone Conf., Guam,
Marianas Islands, 1985.
- Elsberry, R L
Some reflections on the present status of tropical
cyclone track prediction
17th Technical Conf. on Hurricanes and Tropical
Meteorology, Miami, FL, April, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Elsberry, R L
The Navy (ONR) initiative on understanding tropical cyclone motion
41st Ann. Interdepartmental Hurrican Conf., Homestead Air Force Base, FL, January, 1987.
- Elsberry, R L; Adamec, D D
Role of momentum mixing in upper ocean circulations
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug., 1985.
- Elsberry, R L; Fiorino, M
The role of vortex structure in barotropic tropical cyclone motion
17th Technical Conf. on Hurricanes and Tropical Meteorology, Miami, FL, April, 1987.
- Elsberry, R L; Jones, H
Evaluation of four objective track forecast aids for western North Pacific tropical cyclones
17th Technical Conf. on Hurricanes and Tropical Meteorology, Miami, FL, April, 1987.
- Elsberry, R L; Lage, T D; Peak, J E
Two evaluations of the operational forecast guidance at JTWC
15th Tech. Conf. on Hurricanes and Tropical Meteorology, Miami, Fla., Jan. 9-13, 1984.
- Elsberry, R L; Meanor, D H; Peak, J E
Environmental vertical wind shear as a predictor of tropical cyclone track error
17th technical Conf. on Hurricanes and Tropical Meteorology, Miami, FL, April, 1987.
- Elsberry, R L; Shay, L K; Black, P G
Near-inertial ocean current response to hurricane Josephine
American Geophysical Union Fall Meeting, San Francisco, CA, December, 1986.
- Elsberry, R L; Shay, L K; Black, P G
Mesoscale ocean current response to hurricanes
17th Technical Conf. on Hurricanes and Tropical Meteorology, Miami, FL, April, 1987.
- Fairall, C W; Markson, R; Davidson, K L
Aircraft measurements of surface fluxes in the marginal ice zone
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Fellbaum, S R; Davidson, K L; Boyle, P J; Shaw, W J
Marine atmospheric boundary layer response to sea
surface temperature
AGU Ocean Sciences Mtg., New Orleans, LA, Jan. 13-17,
1986.
- Fellbaum, S R; Davidson, K L; Boyle, P J; Shaw, W J
Marine atmospheric boundary layer response to sea
surface temperature
AGU Ocean Sciences Mtg. (MILDEX), New Orleans, LA,
Jan. , 13-17, 1986.
- Gallacher, P C; Garwood, P W
Wind direction and equilibrium mixed layer depth:
General theory
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,
1985.
- Gallacher, P C; Garwood, R W
The interaction of planetary rotation and turbulent
vorticity in the upper ocean mixed layer at
mid-latitudes
5th Conf. on Ocean-Atmosphere Interaction of the Am.
Meteorological Soc., Miami, Fla., Jan., 1984.
- Gallacher, P C; Garwood, R W
Wind direction and mixed layer depth: Mid-latitude
simulations
Ocean Sciences Mtg., New Orleans, LA, Jan., 1986.
- Garwood, R W; Muller, P; Gallacher, P C
Wind direction and equilibrium mixed layer depth in the
Tropical Pacific
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,
1985.
- Geernaert, G L; Davidson, K L
On the behavior of the drag coefficient in frontal
regions
1984 Ocean Sciences Mtg., AGU, New Orleans, La., Jan
23-27, 1984.
- Guest, P D; Davidson, K L
Factors affecting the atmospheric boundary layer over a
summertime marginal ice zone-An observational study
IUGG General Assembly, Vancouver B.C., Canada,
August, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Guest, P S; Davidson, K L
Drag coefficients obtained during MIZEX-83
1984 Ocean Sciences Mtg., AGU, New Orleans, La., Jan
23-27, 1984.
- Guest, P S; Davidson, K L
Variation of the drag coefficient and wind wave coupling
in the vicinity of a storm front
10th Ann. Mtg., European Geophysical Soc.,
Louvain-La-Neuve, Belgium, July 30 - Aug. 3, 1984.
- Guest, P S; Davidson, K L
Wind stress as a function of ice characteristics in the
marginal ice zone
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Guest, P S; Davidson, K L
Wind temperature profiles and turbulence on a large flat
floe in the East Greenland Sea marginal ice zone
AGU Spring Mtg., Baltimore, Md., May 27, 1985.
- Hale, R A; Renard, R J
Statistical visibility forecasting at McMurdo/Williams
Field, Antarctica using local/regional observations
2nd Int. Conf. on Southern Hemisphere Meteorology,
Wellington, New Zealand, Dec. 1-5, 1986.
- Hale, R A; Renard, R J
Review of Naval Postgraduate School Research on
forecasting visibility for McMurdo & Williams Field,
Antarctica
Antarctic Automatic Weather Station Conf., Monterey,
CA, March, 1987.
- Haney, R L
Some SST anomalies I have known, thanks to Jerome Namias
Namias Symp., Scripps Inst. of Oceanography, La
Jolla, CA, Oct. 22, 1985.
- Haney, R L
SST anomalies in the midlatitude North Pacific Ocean: A
numerical hindcast
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.
5-16, 1985.
- Haney, R L
Some SST anomalies I have known, thanks to Jerome Namias
Namias Symp., Scripps Inst. of Oceanography, La
Jolla, CA, Oct. 22, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Haney, R L
Coupled models of ENSO
WMO Symposium on Ocean Atmosphere Interaction
Relevant to Long Range Forecasting, Toulouse, France,
June, 1987.
- Haney, R L; Chan, J C H
On the 1982/83 warm event in the Equatorial Pacific
5th Conf. on Ocean-Atmosphere Interaction of the Am.
Meteorological Soc, Miami, Fla., Jan. 9-13, 1984.
- Haney, R L; Rennick, M A
Air-sea interaction in coupled shallow water models of
the equatorial atmosphere and ocean
AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.
- Hayes, J L; Williams, R T; Rennick, M A
Numerical study of lee cyclogenesis
Int. Conf. for Alpine Meteorology, Opatiga,
Yugoslavia, Sept. 25-29, 1984.
- Hinsman, D E; Elsberry, R L; Hovermale, J B
Development of Navy Advanced Tropical Cyclone Model
16th Technical Conf. on Hurricanes and Tropical
Meteorology, Houston, Tex., May, 1985.
- Lau, K M W; Chang, C P
Planetary scale aspects of the winter monsoon and
atmospheric teleconnections
IN C. P. Chang and T. N. Krishnamurti, eds.: Monsoon
meteorology Oxford monographs on geology and
geophysics no. 7, New York, NY, Oxford Univ. Press,
1987, p. 161-202.
- Liou, C -S; Elsberry, R L
Physical processes in prediction of explosive maritime
cyclogenesis
7th Conf. on Numerical Weather Prediction, Montreal,
Canada, June, 1985.
- Liou, C S; Elsberry, R L; Hodur, R M
Impact of cumulus convection on meso-alpha scale
prediction
WMO Conf. on Numerical Weather Prediction, Tokyo,
Japan, Aug., 1986.
- Neta, B; Hinsman, D E; Williams, R T
Studies in a shallow water fluid model with topography
11th IMAC World Cong., Oslo, Norway, Aug. 5-9, 1985.
- Neta, B; Williams, R T
Finite elements versus finite differences for fluid flow
problems
Numeta 87, Swansea, United Kingdom, July, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Nuss, W; Wash, C H
GALE IOP-9: Upper-level forcing and air-sea interaction
Sixth Extratropical Cyclone and GALE Project
Workshop, Pacific Grove, CA, February, 1987.
- Overland, J E; Davidson, K L
MIZEX meteorology: Winter and spring
IUGG General Assembly, Vancouver, B.C., Canada,
August, 1987.
- Peak, J E; Elsberry, R L
Prediction of tropical cyclone turning and acceleration
using empirical orthogonal function representations
15th Tech. Conf. on Hurricanes and Tropical
Meteorology, Miami, Fla., Jan. 9-13, 1984.
- Peak, J E; Elsberry, R L
Objective selection of optimum tropical cyclone guidance
using a decision-tree methodology
16th Technical Conf. on Hurricanes and Meteorology,
Houston, Tex., May, 1985.
- Peak, J E; Wash, C H; Ebersole, K A; Elsberry, R L
A study of Glas and UCLA model forecasts of explosive
cyclogenesis
7th Conf. on Numerical Weather Prediction, Montreal,
Canada, June, 1985.
- Peng, M S; Chang, C P
On the Mei-Yu front of the East Asian summer monsoon
IAMAP/IAPSO Joint Symp. on Monsoon Circulation in
Oceans and Atmospheres, Honolulu, Hawaii, Aug., 5-16,
1985.
- Peng, M S; Williams, R T
Application of multiple-scale technique to barotropic
and baroclinic instability of a current with slow zonal
variation
SIAM Summer Mtg., Seattle, Wash., 1984.
- Peng, M S; Williams, R T
Spatial instability of parallel and nonparallel flows in
the two-layer baroclinic model
5th Conf. on Atmos. and Oceanic Waves and Stability
of the Am. Meteorological Soc., New Orleans, La.,
Mar. 4-7, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Peng, M S; Williams, R T; Chang, C P
Barotropic instability in a slowly varying easterly jet
Joint Conf. of the 18th Ann. Cong. of the Canadian
Meteorological and Oceanogr. Soc. and the 11th Ann.
Mtg. of the Canadian Geophys. Union, Halifax, Nova
Scotia, Canada, May 28-June 1, 1984.
- Ranelli, P H; Elsberry, R L; Liou, C-S E; Sandgathe, S A
Effects of ranging sea-surface temperature on 10 day
atmospheric model forecasts
16th Int. Liege Colloquium on Ocean Hydrodynamics,
Liege, Belgium, May 7-11, 1984.
- Renard, R J
Climatology and weather forecasting for the Ross Ice
Shelf Area of Antarctica using AWS data and standard
observations
NSF Antarctic Automatic Weather Station (AWS) Conf.,
NOAA, Boulder, Colo., Mar. 22, 1984.
- Renard, R J
The Naval Postgraduate School Antarctic weather
data/analysis archive
Workshop on US-Antarctic Meteorological Data Delivery
Systems, Boulder, CO, Sept., 1987.
- Renard, R J; Sounders, C G
The visibility climatology of McMurdo/Williams Field,
Antarctica
Am. Meteorological Soc. 10th Conf. on Weather
Forecasting and Analysis, Clearwater Beach, Fla.,
June 25-29, 1984.
- Rennick, M A; Haney, R L
A model of oceanic response to anomalous wind forcing in
the Equatorial Pacific
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.
5-17, 1985.
- Rennick, M A; Williams, R T
Lee Cyclogenesis in a Baroclinic Current
Fourth Conf. on Mountain Meteorology of the American
Meteorological Society, Seattle, WA, August, 1987.
- Rovero, P J; Liou, C -S; Elsberry, R L
Effects of time-dependent sea-surface temperature on
atmospheric model predictions to 10 days
7th Conf. on Numerical Weather Prediction, Montreal,
Canada, June, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Shaffer, A R; Chang, C P; Elsberry, R L
Long-wave forcing of equatorial penetrating winter
monsoon cold surges
15th Tech. Conf. on Hurricanes and Tropical
Meteorology, Miami, Fla., Jan. 9-13, 1984.
- Shaw, W J
Position corrections for the NCAR Electra during FASINEX
Second Airborne Science Workshop, Miami, FL,
February, 1987.
- Shaw, W J; Tillman, J E
A correction for different wet-bulb and dry-bulb
response in thermocouple psychrometry
1985 Int. Symp. on Moisture and Humidity, Washington,
D.C., Apr. 15-18, 1985.
- Shay, L K; Elsberry, R L
Effect of an initial current regime on the ocean
response to hurricanes
6th Annual Gulf of Mexico Information Transfer Mtg.,
New Orleans, LA, October, 1985.
- Shay, L K; Elsberry, R L
Simulations of ocean response to hurricanes in a region
of initial currents
AGU Fall Mtg., San Francisco, CA, Dec., 1985.
- Swaykos, J W; Davidson, K L; Boyle, P A; Garwood, R W
Mixed layer results from MILDEX
AGU Fall Ann. Mtg., San Francisco, Calif., Dec.,
1984.
- Uccellini, L; Keyser, D; Wash, C H; Brill, K
The role of a tropopause fold on the rapid deployment of
an intense cyclone
Int. Conf. on Mesoscale Meteorology, Melbourne,
Australia, 1984.
- Uccellini, L; Keyser, D; Wash, C H; Brill, K
The President's Day cyclone of 18-19 February 1979:
Influence of a tropopause fold on rapid cyclogenesis
10th Conf. on Weather Analysis and Forecasting,
Clearwater, Fla., June 25-29, 1984.
- Wash, C H; Boyle, J S; Curtis, J
Investigation of high and low predictability periods in
medium-range forecasts
WMO/IUGG Int. Symp. on Short and Medium-range
Numerical Weather Prediction, Tokyo, Japan, Aug. 4-8,
1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

- Wash, C H; Calland, W
Diagnostic study of explosive oceanic cyclogenesis
during FGCE
10th Conf. on Weather Analysis and Forecasting,
Clearwater, Fla., June 25-29, 1984.
- Wash, C H; Chou, L C; Nelsen, C; Moren, C; Spray, L
Satellite cloud and precipitation analysis using
interactive computer system
Conf. on Satellite/Remote Sensing Applications,
Clearwater, Fla., June 25-29, 1984.
- Wash, C H; Chou, L C; Spray, L
Geostationary satellite cloud and precipitation analysis
using an interactive computer system
Newscasting-II Symp., Norrikoping, Sweden, Sept. 3-7,
1984.
- Williams, R T
Numerical methods and mountain treatments (lecture
notes)
Workshop on Numerical Weather Prediction, Dept. of
Atmos. Sciences, National Taiwan Univ., Apr., 1984.
- Williams, R T
Lectures in numerical schemes and effects of topography
Workshop on Numerical Weather Prediction, Dept. of
Atmospheric Sciences, National Taiwan Univ., Taipei,
Taiwan, Apr., 1985. 139 p.
- Williams, R T; Peng, M S; Zankofsky, D A
Breakdown of semi-geostrophic flow over a
two-dimensional mountain
Fourth Conf. on Mountain Meteorology of the American
Meteorological Society, Seattle, WA, August, 1987.
- Williams, R T; Peng, M S; Zankofsky, D A
Interaction of fronts with surface topography
Sixth Extratropical Cyclone Workshop, Pacific Grove,
CA, February, 1987.
- Williams, R T; Peng, M S; Zankofsky, D A
Interaction of fronts with topography
IUGG General Assembly, Vancouver, British Columbia,
August, 1987.
- Williams, R T; Rennick, M A
Lee cyclogenesis in a Baroclinic Current
Sixth Extratropical Cyclone Workshop, Pacific Grove,
CA, February, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONFERENCE PRESENTATIONS (cont'd)

Wilson, W E; Elsberry, R L; Peak, J E; Chan, J C
Prediction of tropical cyclone motion based on an EOF
representation of the environmental wind fields
16th Technical Conf. on Hurricanes and Meteorology,
Houston, Tex., May, 1985.

Zankovsky, D A; Williams, R T; Peng, M S
Interactions of fronts with topography
WMO/IUGG Int. Symp. on Short and Medium Range
Numerical Weather Prediction, Tokyo, Japan, Aug. 4-8,
1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY
CONTRIBUTIONS TO BOOKS

- Chang, C P
Midlatitude-tropical interactions during winter
IN Proc. of the 1st Nat. Workshop on the Global
Weather Experiment: Current achievements and
future directions, vol. 2, Nat. Academy Press,
1985, p. 543-559.
- Chang, C P; Krishnamurti, T N; eds.
Reviews in monsoon meteorology
Oxford Univ. Press, 1985.
- Daniels, A; Shaw, W J
Calibration standards
IN F. V. Brock, ed.: Instructor's handbook on
meteorological instrumentation, Nat. Center for
Atmospheric Res., 1984.
- Davidson, K L; Fairall, C W
Optical properties of the marine atmospheric boundary
layer
IN H. J. Caulfield, ed.: Ocean Optics VIII,
Bellingham, WA, SPIE, 1986, p. 18-24.
- Fairall, C W; Davidson, K L
Dynamics and modeling of aerosol in the marine
atmospheric boundary layer
IN E. C. Monahan and G. MacNiocail, eds.:
Oceanic whitecaps and their role in air-sea
exchange processes, Dordrecht, Netherlands, D.
Reidel, 1986, p. 195-208.
- Hendrie, L K; Knapp, W W; Lala, G G; Shaw, W J; Stamm, A
Field environment
IN F. V. Brock, ed.: Instructor's handbook on
meteorological instrumentation, Nat. Center for
Atmospheric Res., 1984.
- Johannessen, O M; Johannessen, J A; Sandven, S;
Davidson, K L
Results of the Marginal Ice Zone Experiment (MIZEX)
summer operations
IN B. H. Hardle, ed.: Environment of the Nordic
Seas, New York, NY, Springer-Verlag, 1986, p.
665-679.
- Lau, K M W; Chang, C P
Planetary scale aspects of winter monsoons and
teleconnections
IN C. P. Chang and T. N. Krishnamurti, eds:
Reviews in monsoon meteorology, Oxford Univ.
Press, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

CONTRIBUTIONS TO BOOKS

(cont'd)

- Lim, H; Chang, C P
Theories of tropical-midlatitude interactions during the
winter monsoon
IN C. P. Chang and T. N. Krishnamurti, eds:
Reviews in monsoon meteorology, Oxford Univ.
Press, 1985.
- Lim, H; Chang, C P
On the dynamics of midlatitude-tropical interactions
IN C. Chang and T. Krishnamurti, eds.: Monsoon
meteorology Oxford monographs on geology and
geophysics no. 7, New York, NY, Oxford Univ. Press,
1987, p. 405-434.
- Monahan, E C; Spiel, D E; Davidson, K L
Model of marine aerosol generation via whitecap and wave
disruption
IN E. C. Monahan and G. MacNiocail, eds.:
Oceanic whitecaps and their role in air-sea
exchange processes, Dordrecht, Netherlands, D.
Reidel, 1986, p. 167-174.
- Neta, B; Williams, R T; Hinsman, D E
Studies in a shallow water model with topography
IN Numerical Mathematics and Applications
Elsevier Science Publishers, 1986, p. 347-354.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY
PUBLISHED PAPERS

- Adamec, D D; Elsberry, R L
Sensitivity of mixed layer predictions at Ocean Station
Papa to atmospheric forcing parameters
J. Phys. Oceanogr., vol. 14, no. 4, p. 769-780,
(Apr., 1984).
- Adamec, D D; Elsberry, R L
The use of mean atmospheric forcing in an ocean mixed
layer model
J. Phys. Oceanogr., vol. 14, no. 10, p. 1670-1676,
(Oct., 1984).
- Adamec, D D; Elsberry, R L
Response of an intense oceanic current system to
cross-stream cooling events
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
IN EOS, vol. 65, no. 45, p. 935, (1984).
- Adamec, D D; Elsberry, R L
Response of an intense oceanic current system to
cross-stream cooling events
J. Phys. Oceanogr., vol. 15, no. 3, p. 273-287,
(Mar., 1985).
- Adamec, D D; Elsberry, R L
The response of intense oceanic current systems entering
regions of strong cooling
J. Phys. Oceanogr., vol. 15, no. 10, p. 1284-1295,
(Oct., 1985).
- Adamec, D D; Garwood, R W
The simulated response of an upper-ocean density front
to local atmospheric forcing
J. Geophys. Res., vol. 90, no. C1, p. 917-928, (Jan.,
1985).
- Black, P G; Elsberry, R L; Shay, L K; Partridge, R M
Hurricane Josephine surface winds and ocean response
determined from air deployed drifting buoys and
concurrent research aircraft data
16th Technical Conf. on Hurricanes and Meteorology,
Houston, Tex., May, 1985.
IN Preprint, Am. Meteorological Soc., p. 22-24,
(1985).
- Borrmann, S; Davidson, K L; Miller, M E
Surface of aerosol size distributions in the Marginal
Ice Zone during the 1983 Marginal Ice Zone experiment
J. of Geophysical Research, vol. 92, p. 6971-6976,
(June, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Boyle, P J; Davidson, K L; Schacher, G E
Evaluation of an integrated mixed layer model for single
station prediction in a marine regime
Newscasting -II Symp., Norrkoping, Sweden, Sept. 3-7,
1984.
IN Proc., p. 323-327, (1984).
- Boyle, P J; Davidson, K L; Spiel, D E
Characteristics of overwater surface during STREX
Dynamics of Atmospheres and Oceans, vol. 4, p.
343-358, (1987).
- Breaker, L C; Mueller, J L; Wash, C H
Satellite observed changes in sea surface temperature
and ocean color resulting from wind forces over the
California Current
AGU Ocean Sciences Mtg., New Orleans, LA, Jan. 13-17,
1986.
IN EOS Trans., AGU, vol. 66, no. 51, p. 1258,
(Dec. 17, 1985).
- Businger, J A; Shaw, W J
The response of the marine boundary layer to mesoscale
variations in sea-surface temperature
Dynamics of Atmospheres and Oceans, vol. 8, p.
267-281, (1984).
- Campbell, W J; Gloersen, P; Josberger, E G;
Johannessen, O M; Guest, P S; Lannelongue, N;
Davidson, K L
Mesoscale and large-scale sea ice morphology in MIZEX-84
J. of Geophysical Research, vol. 92, p. 6805-6824,
(June, 1987).
- Chan, J C; Williams, R T
Analytical and numerical studies of the beta-effect in
tropical cyclone motion
J. of the Atmospheric Sciences, vol. 44, no. 9, p.
1257-1265, (May, 1987).
- Chang, C P
Midlatitude-tropical interactions during winter monsoons
Nat. Academy of Sciences Workshop on FGGE, Woods
Hole, Mass., July 9-20, 1984.
IN Proc., (1984).
- Chang, C P
A review of midlatitude tropical interactions over East
Asia during cold surges
Papers in Meteorological Res., vol. 7, (1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Chang, C P; Lau, K M W; Lim, H
Midlatitude-tropical interaction associated with the
winter monsoon
EGGE Sem. on Progress in Tropical Meteorology,
Tallahassee, Fla. Oct., 1984.
IN GARP Special Report No. 44, WMO, p. 37-52,
(1985).
- Chang, C P; Lim, H
Kelvin Wave CISK: A possible mechanism for the 30-50
day oscillation
Intl. Conference on Monsoon and Mesoscale
Meteorology, Taipei, November, 1986.
IN Proc., Meteorological Soc. of Republic of
China, p. 236-245, (1986).
- Chang, C P; Lum, K G
Tropical-midlatitude interactions over Asia and the
Western Pacific Ocean during the 1983/84 northern winter
Mon. Weather Rev., vol. 113, no. 8, p. 1345-1358,
(Aug., 1985).
- Chen, G T; Gerish, T E; Chang, C P
Structure variations of the synoptic scale cyclonic
disturbances near Borneo during the WMONEX period
Papers in Meteorological Research, vol. 19, no. 2, p.
117-135, (December, 1986).
- Chen, G T J; Wang, Y J; Chang, C P
Evaluation of the surface prognoses of cyclones and
anticyclones of the JMA and FNOC models over East Asia
and the western Pacific during the 1983 Mei-Yu season
Mon. Weather Rev., vol. 114, no. 12, Dec., 1986.
- Chen, G T J; Wang, Y T; Chang, C -P
Evaluation of the surface prognoses of cyclones and
anticyclones of the JMS and FNOC models over East Asia
and the Western Pacific during the 1983 Mei-Yu season
Monthly Weather Review, vol. 115, no. 1, p. 235-250,
(January, 1987).
- Curry, W T; Elsberry, R L; Chan, J C
An objective determination of tropical cyclone warning
positions
16th Technical Conf. on Hurricanes and Meteorology,
Houston, Tex., May, 1985.
IN Proc. Am. Meteorological Soc., p. 92-94,
(1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Davidson, K L; Fairall, C W
Optical properties of the marine atmospheric boundary
layer: Aerosol profiles
SPIE, Ocean Optics VIII, Orlando, FL, Mar. 31 - Apr.
1, 1986.
IN Proc., SPIE, vol. 637, (1986).
- Davidson, K L; Fairall, C W; Boyle, P J; Schacher, G E
Verification of an atmospheric mixed layer model for a
coastal region
J. Climate and Appl. Meteorology, vol. 23, no. 4, p.
617-636, (Apr., 1984).
- Davidson, K L; Garwood, R W
Coupled oceanic and atmospheric mixed layer model
Dynamics of Atmospheres and Oceans, vol. 8, p.
783-796, (Nov., 1984).
- Davidson, K L; Gautier, C; Katsaros, K
Radiation with respect to atmospheric boundary layer
cloud conditions
AGU Ocean Sciences Mtg., New Orleans, LA, Jan 13-17,
1986.
IN EOS Trans., AGU, vol. 66, no. 51, (Dec. 17,
1985).
- Davidson, K L; Guest, P S
NPS Meteorology Studies of the Marginal Ice Zone
Naval Research Reviews, vol. 39, p. 28-35, (1987).
- Durkee, P A
The vertical distribution of marine aerosols inferred
from dual-wavelength radiance measurements
Tropical Mtg. on Optical Remote Sensing of the
Atmosphere, Incline Village, Nev., Jan. 15-18, 1985.
IN Proc., Optical Soc. of America, 4 p., (1985).
- Durkee, P A
Aerosol characterization with dual-wavelength radiance
measurements
2nd Conf. on Satellite Meteorology/Remote Sensing and
Applications, Williamsburg, VA, May 13-16, 1986.
IN Proc., Am. Meteorological Soc., (1986).
- Durkee, P A; Hindman, E E; Jensen, D R; Von Der Haar, T H
Marine aerosol optical depth from satellite detected
radiance
Conf. on Satellite/Remote Sensing and Applications,
Clearwater Beach, Fla., June 25-29, 1984.
IN Proc., AMS, p. 11-14, (1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Durkee, P A; Jensen, D R; Hindman, E E; Vonder Haar, T H
The relationship between marine aerosol particles and
satellite-detected radiance
J. of Geophys. Res., vol. 91, p. 4063-4072, (Mar.,
1986).
- Elsberry, R L
Results of a short course on the Advanced Tropical
Cyclone Model
U.S. Pacific Command Tropical Cyclone Conf., Guam,
Marianas Islands, 1985.
IN Proc. Environmental Group, Pacific Command, p.
204-217, (1985).
- Elsberry, R L; Chan, J C; Williams, B J
Performance of the nested tropical cyclone model as a
function of five storm-related parameters
Monthly Weather Review, vol. 115, no. 7, p.
1238-1252, (1987).
- Elsberry, R L; Curry, W T; Chan, J C
An objective technique for estimating tropical cyclone
warning positions
Monthly Weather Review, vol. 115, no. 6, p.
1073-1082, (1987).
- Elsberry, R L; Liou, C S; Hodur, R M
Impact of parameterized cumulus convection on meso-alpha
scale cyclone production
J. of the Meteorological Soc. of Japan, Short and
Medium-range Numerical Weather Prediction, special
volume, p. 595-604, (1987).
- Elsberry, R L; Peak, J E
Dynamical-statistical model forecasts of Southern
Hemisphere tropical cyclones
Mon. Weather Rev., vol. 122, no. 4, p. 717-724,
(Apr., 1984).
- Elsberry, R L; Peak, J E
An evaluation of tropical cyclone forecast aids based on
cross-track and along-track components
Mon. Weather Rev., vol. 114, no. 1, p. 147-155,
(Jan., 1986).
- Elsberry, R L; Peak, J E
Selection of optimal tropical cyclone motion guidance
using an objective classification tree methodology
Monthly Weather Review, vol. 115, no. 9, p.
1851-1863, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Elsberry, R L; Peak, J E; Wilson, W E; Chan, J C
Forecasting tropical cyclone motion using empirical
orthogonal function representations of the environmental
wind fields
Monthly Weather Review, vol. 114, no. 12, p.
2466-2477, (1986).
- Elsberry, R L; Peak, J E
Forecasting tropical cyclone motion using empirical
orthogonal function representations of the environmental
wind fields
Monthly Weather Review, vol. 114, no. 12, p.
2466-2477, (1986).
- Elsberry, R L; Sandgathe, S A; Winninghoff, R J
Short-term oceanic response predicted by a mixed layer
model forced with a sector atmospheric model
J. Phys. Oceanogr., vol. 14, no. 1, p. 79-91, (Jan.,
1984).
- Elsberry, R L; Schott, R B; Chan, J C
Further applications of empirical orthogonal functions
of wind fields for tropical cyclone motion studies
Monthly Weather Review, vol. 115, no. 7, p.
1225-1237, (1987).
- Elsberry, R L; Shay, L K
Near-inertial ocean current response to hurricane
Frederic
J. of Physical Oceanography, vol. 17, p. 1249-1269,
(1987).
- Fairall, C W; Davidson, K L; Schacher, G E
Application of a mixed layer model to aerosol in the
marine boundary layer
Tellus, Part B, vol. 36, no. 3, p. 203-211, (1984).
- Fellbaum, S R; Davidson, K L; Boyle, P J; Shaw, W J
Marine atmospheric boundary layer response to sea
surface temperature
AGU Ocean Sciences Mtg., New Orleans, LA, Jan. 13-17,
1986.
IN EOS Trans., AGU, vol. 66, no. 51, (Dec. 17,
1985).
- Gall, R L; Williams, R T; Clark, T L
On the minimum scale of surface fronts
J. of the Atmospheric Sciences, vol. 44, no. 18, p.
2562-2574, (September, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Gallacher, P C; Garwood, P W
Wind direction and equilibrium mixed layer depth:
General theory
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,
1985.
IN Proc., IUGG, p. 58, Aug., 1985).
- Garwood, R W; Gallacher, P C; Muller, P
Wind direction and equilibrium mixed layer depth:
General theory
J. of Phys. Oceanogr., vol. 15, no. 10, p. 1325-1331,
(Oct., 1985).
- Garwood, R W; Gallacher, P C; Muller, P
Reply to comments on wind direction and equilibrium
mixed layer depth
J. of Physical Oceanography, vol. 16, p. 171-172,
(January, 1987).
- Garwood, R W; Muller, P; Gallacher, P C
A model for the equilibrium mixed layer depth in the
Tropical Pacific
Tropical Ocean-Atmosphere Newsletter, no. 30, p.
10-11, (Mar., 1985).
- Garwood, R W; Muller, P; Gallacher, P C
Wind direction and equilibrium mixed layer depth in the
Tropical Pacific
J. of Phys. Oceanogr., vol. 15, no. 10, p. 1332-1338,
(Oct., 1985).
- Garwood, R W; Muller, P; Gallacher, P C
Wind direction and equilibrium mixed layer depth in the
Tropical Pacific
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,
1985.
IN Proc., IUGG, p. 122, (Aug., 1985).
- Garwood, R W; Muller, P.; Gallacher, P C
Wind direction and equilibrium mixed layer depth in the
tropical Pacific
J. of Phys. Oceanogr., vol. 15, no. 10, p. 1332-1338,
(Oct., 1985).
- Guest, P S; Davidson, K L
The effect of observed ice conditions on the drag
coefficient in the summer East Greenland Sea marginal
ice zone
J. of Geophysical Research, vol. 92, p. 6943-6954,
(June, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Hale, R A; Renard, R J
Statistical visibility forecasting at McMurdo/Williams
Field, Antarctica using local/regional observations
2nd Int. Conf. on Southern Hemisphere Meteorology,
Wellington, New Zealand, Dec. 1-5, 1986.
IN Proc., Am. Meteorological Soc., (1986).
- Haney, R L
Comment on Seasonality in the associations between
surface temperatures over the United States and the
North Pacific Ocean
Mon. Weather Rev., vol. 112, no. 4, p. 868-870,
(Apr., 1984).
- Haney, R L
Midlatitude sea-surface temperature anomalies: A
numerical hindcast
J. Phys. Oceanogr., vol. 15, no. 6, p. 787-799,
(June, 1985).
- Haney, R L
Some SST anomalies I have known, thanks to Jerome Namias
Namias Symp., Scripps Inst. of Oceanography, La
Jolla, CA, Oct. 22, 1985.
IN Namias Symp., p. 148-159, (Aug., 1986).
- Haney, R L; Rennick, M A
Air-sea interaction in coupled shallow water models of
the equatorial atmosphere and ocean
AGU Fall Mtg. San Francisco, Calif., Dec. 3-7, 1984.
IN EOS, vol 65, no. 45, p. 845, (1984).
- Haney, R L; Rennick, M A
Comments on slowly propagating disturbances in a coupled
ocean-atmospheric model
J. Atmos. Sciences, vol. 43, no. 7, (Apr., 1986).
- Hayes, J L; Williams, R T; Rennick, M A
Numerical study of lee cyclogenesis
Int. Conf. for Alpine Meteorology, Opatiga,
Yugoslavia, Sept. 25-29, 1984.
IN Zbornik, Meteoroloskih i Hidroloskih Radova,
vol. 10, p. 80-83, (1984).
- Hayes, J L; Williams, R T; Rennick, M A
Lee cyclogenesis. Part 1. Analytic studies
J. of the Atmospheric Sciences, vol. 44, no. 2, p.
432-442, (January, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Hindman, E E; Durkee, P A; Kuenning, W
Properties of aerosol particles detected by satellites
in coastal regions
J. de Recherches Atmospheriques, vol. 19, p. 315-322,
(1985).
- Johannessen, J A; Jahannessen, O M; Svendsen, E;
Shuchman, R; Manley, T; Campbell, W; Davidson, K L; others
Mesoscale eddies in the Fram Strait marginal ice zone
during MIZEX 1983 and 1984
J. of Geophysical Research, vol. 92, p. 6754-6772,
(June, 1987).
- Lau, K M W; Boyle, J S; Chang, C P
Anomalous diabatic heating and large-scale circulation
in the tropics during the 1976-77 and 1982-83 ENSO's
Tropical ocean-atmosphere newsletter, vol. 24, p.
12-13, (1984).
- Lim, H; Chang, C P
Generation of internal- and external-mode motions from
internal heating: Effects of vertical shear and damping
J. of Atmos. Sci., vol. 43, no. 9, p. 948-957,
(1986).
- Liou, C -S; Elsberry, R L
Physical processes in prediction of explosive maritime
cyclogenesis
7th Conf. on Numerical Weather Prediction, Montreal,
Canada, June, 1985.
IN Proc. Am. Meteorological Soc., p. 212-218,
(1985).
- Martin, B J; Poock, G K
An initial implied look at stress and voice recognition
J. of Am. Voice Input/Output Soc., vol. 1, no. 1, 10
p., (June, 1984).
- Mettlach, T R; Haney, R L; Garwood, R W; Ghan S J
The response of the upper ocean to a large summertime
injection of smoke in the atmosphere
J. of Geophysical Research, vol. 92, p. 1967-1974,
(1986).
- Mettlach, T R; Haney, R L; Garwood, R W; Ghan, S J
The response of the upper ocean to a large summertime
injection of smoke in the atmosphere
J. of Geophysical Research, vol. 92, no. C2, p.
1967-1974, (February, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY
PUBLISHED PAPERS

(cont'd)

- Neta, B; Hinsman, D E; Williams, R T
Studies in a shallow water fluid model with topography
11th IMAC World Cong., Oslo, Norway, Aug. 5-9, 1985.
IN Proc., IMAC, p. 209-213, (1985).
- Neta, B; Williams, R T
Stability and phase speed for various finite element
formulations of the advection equation
Computers and Fluids, vol. 14, no. 4, p. 393-410,
(1986).
- Neta, B; Williams, R T
Finite elements versus finite differences for fluid flow
problems
NUMETA 87, Swansea, United Kingdom, July, 1987.
IN Transient/Dynamic Analysis and Constitutive
Laws for Engineering Materials, vol. 2, p.
T11/1-8, (1987).
- Peak, J E; Elsberry, R L
Prediction of tropical cyclone turning and acceleration
using empirical orthogonal function representations
15th Tech. Conf. on Hurricanes and Tropical
Meteorology, Miami, Fla., Jan. 9-13, 1984.
IN Proc., AMS, p. 45-50, (1984).
- Peak, J E; Elsberry, R L
Objective selection of optimum tropical cyclone guidance
using a decision-tree methodology
16th Technical Conf. on Hurricanes and Meteorology,
Houston, Tex., May, 1985.
IN Preprint, Am. Meteorological Soc., p. 97-98,
(1985).
- Peak, J E; Elsberry, R L
Prediction of tropical cyclone turning and acceleration
using empirical orthogonal function representations
Mon. Weather Rev., vol. 114, no. 1, p. 156-164,
(Jan., 1986).
- Peak, J E; Wash, C H; Ebersole, K A; Elsberry, R L
A study of Glas and UCLA model forecasts of explosive
cyclogenesis
7th Conf. on Numerical Weather Prediction, Montreal,
Canada, June, 1985.
IN Proc. Am. Meteorological Soc., p. 528-535,
(1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Peng, M S; Williams, R T
Spatial instability of the barotropic jet with slow
streamwise variation
J. Atmos. Sciences, vol. 43, Nov., 1986.
- Peng, M S; Williams, R T
Spatial instability of the Barotropic Jet with slow
streamwise variation
J. of the Atmospheric Sciences, vol. 43, no. 21, p.
2430-2442, (Nov., 1986).
- Peng, M S; Williams, R T
On the transformation between temporal and spatial
growth rates
J. of the Atmospheric Sciences, vol. 44, no. 18, p.
2668-2673, (September, 1987).
- Peng, M S; Williams, R T
Spatial instability of a Baroclinic Current with slow
streamwise variation
J. of the Atmospheric Sciences, vol. 44, no. 13, p.
1681-1695, (July, 1987).
- Renard, R J; Souders, C G
The visibility climatology of McMurdo/Williams Field,
Antarctica
Am. Meteorological Soc. 10th Conf. on Weather
Forecasting and Analysis, Clearwater Beach, Fla.,
June 25-29, 1984.
IN Proc., AMS, p. 98-101, (1984).
- Renard, R J; Thompson, W J
Estimating visibility over the North Pacific Ocean using
model output statistics
Nat. Weather Digest, vol. 9, no. 2, p. 18-25, (1984).
- Rennick, M A; Haney, R L
Stable and unstable air sea interaction in the equatorial
region
J. of the Atmospheric Sciences, vol. 43, no. 23, p.
2937-2943, (December, 1986).
- Rovero, P J; Liou, C -S; Elsberry, R L
Effects of time-dependent sea-surface temperature on
atmospheric model predictions to 10 days
7th Conf. on Numerical Weather Prediction, Montreal,
Canada, June, 1985.
IN Proc. Am. Meteorological Soc., p. 362-368,
(1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Schacher, G E; Skupniewicz, C E; Mikkelsen, T
Turbulence structure on a steep hillside: Application
to transport of a hot plume
IN Proc. 7th Symp. on Turbulence and Diffusion,
p. 315-318, (Nov., 1985).
- Shaffer, A R; Chang, C P; Elsberry, R L
Long-wave forcing of equatorial penetrating winter
monsoon cold surges
15th Tech. Conf. on Hurricanes and Tropical
Meteorology, Miami, Fla., Jan. 9-13, 1984.
IN Proc., AMS, p. 427-432, (1984).
- Shaw, W J; Businger, J A
Intermittency and the organization of turbulence in the
near-neutral marine atmospheric boundary layer
J. Atmos Sciences, vol. 42, no. 23, p. 2563-2584,
(Dec., 1985).
- Shaw, W J; Tillman, J E
A correction for different wet-bulb and dry-bulb
response in thermocouple psychrometry
1985 Int. Symp. on Moisture and Humidity, Washington,
D.C., Apr. 15-18, 1985.
IN Proc., Moisture and humidity 1985: Measurement
and control in science and industry, (1985).
- Shay, L K; Elsberry, R L
Simulations of ocean response to hurricanes in a region
of initial currents
AGU Fall Mtg. San Francisco, CA, Dec., 1985.
IN EOS, vol. 66, no. 46, Nov. 12, 1985, p. 937.
- Sinclair, M R; Elsberry, R L
A Diagnostic study of baroclinic disturbances in polar
air streams
Mon. Weather Rev., vol. 114, no. 11, p. 1957-1983,
(Nov., 1986).
- Swaykos, J W; Davidson, K L; Boyle, P A; Garwood, R W
Mixed layer results from MILDIX
AGU Fall Ann. Mtg., San Francisco, Calif., Dec.,
1984.
IN EOS, vol. 65, p. 942, (1984).
- Uccellini, L; Keyser, D; Wash, C H; Brill, K
The President's Day cyclone of 18-19 February 1979:
Influence of a tropopause fold on rapid cyclogenesis
10th Conf. on Weather Analysis and Forecasting,
Clearwater, Fla., June 25-29, 1984.
IN Preprint vol., AMS, p. 614-622, (1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

- Uccellini, L; Keysor, C; Wash, C H; Brill, K
The President's Day Cyclone of 18-19 February 1979:
Influence of the upstream trough amplification and
associated tropopause fold on cyclogenesis
Mon. Weather Rev., vol. 113, no. 6, p. 962-988,
(June, 1985).
- Uccellini, L; Koçin, P; Peterson, R; Wash, C H; Brill, K
The President's Day cyclone of 18-19 February 1979:
Synoptic overview and analysis of the subtropical jet
streak influencing the pre-cyclogenetic period
Mon. Weather Rev., vol. 112, no. 1, p. 31-55, (Jan.,
1984).
- Wash, C H; Calland, W
Diagnostic study of explosive oceanic cyclogenesis
during FGGE
10th Conf. on Weather Analysis and Forecasting,
Clearwater, Fla., June 25-29, 1984.
IN Preprint vol. AMS, p. 608-613, (1984).
- Wash, C H; Chou, L C; Nelsen, C; Moren, C; Spray, L
Satellite cloud and precipitation analysis using
interactive computer system
Conf. on Satellite/Remote Sensing Applications,
Clearwater, Fla., June 25-29, 1984.
IN Preprint vol., AMS, p. 155-159, (1984).
- Wash, C H
Geostationary satellite cloud and precipitation analysis
using an interactive computer system
Newscasting-II Symp., Norriköping, Sweden, Sept. 3-7,
1984.
IN Proc., European Space Agency, p. 123-127,
(1984).
- Wash, C H; Spray, L
Weather analysis programs using hand calculator
Nat. Weather Digest, vol. 10, no. 4, (Nov., 1985).
- Williams, R T; Lim, H; Chang, C P
Nonlinear and linear effects in an easterly jet with
downstream variation
J. of Atmos. Sciences, vol. 41, no. 4, p. 621-636,
(1984).
- Wilson, W E; Elsberry, R L; Peak, J E; Chan, J C
Prediction of tropical cyclone motion based on an EOF
representation of the environmental wind fields
16th Technical Conf. on Hurricanes and Meteorology,
Houston, Tex., May, 1985.
IN Proc. Am. Meteorological Soc., p. 180-181,
(1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

PUBLISHED PAPERS

(cont'd)

Zankofsky, D A; Williams, R T; Peng, M S
Interaction of fronts with topography
AGU, Fall Mtg. San Francisco, CA, Dec. 8-13, 1985.
IN Trans., AGU, (1985).

Zankofsky, D A; Williams, R T; Peng, M S
Interactions of fronts with topography
WMO/IUGG Int. Symp. on Short and Medium Range
Numerical Weather Prediction, Tokyo, Japan, Aug. 4-8,
1986.
IN Proc., WMO, p. 511-514, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY
TECHNICAL REPORTS AND NOTES

- Boyle, J S; Chang, C P
Monthly and seasonal climatology over the global tropics and subtropics for the decade 1973 to 1983: Vol. 1: 200 mb winds
Prepared for N. O. A. A., Washington, D.C. Naval Postgraduate School, (NPS-63-84-006), Oct., 1984. 172 p.
- Boyle, J S; Chang, C P
Monthly and seasonal winter climatology over the global tropics and subtropics for the decade 1973-1983: Vol. 3: Surface winds
Sponsored by NOAA, Washington, DC. Naval Postgraduate School, (NPS-63-86-002), May, 1986. 141 p.
- Boyle, J S; Chang, C P
Monthly and seasonal winter climatology over the global tropics and subtropics for the decade 1973-1983: Vol. 4: 700 mb winds
Sponsored by NOAA, Washington, DC. Naval Postgraduate School, (NPS-63-86-003), 1986. 140 p.
- Boyle, J S; Lau, K M W
Monthly and seasonal climatology over the global tropics and subtropics for the decade 1974 to 1983: Vol. 2: Outgoing longwave radiation
Sponsored by Climate Analysis Center/NMC, NOAA, Washington, DC Naval Postgraduate School, (NPS-63-84-007), Aug., 1984. 58 p.
- Boyle, J S; Wash, C H
Evaluation of the Navy Operational Global Analysis and Prediction System (NOGAPS), 2.1 systematic error -- Winter, 1983/84
Sponsored by Naval Environmental Prediction Res. Facility, Monterey, Calif. Naval Postgraduate School, (NPS-63-85-002), Nov., 1985. 69p.
- Chang, C P; Lau, K M W
Large-scale ocean-atmosphere coupling
Prepared for Nat. Sci. Foundation, Washington, D.C. Naval Postgraduate School, (NPS-63-84-004), May, 1984. 99 p.
- Daniels, A; Shaw, W J
Calibration standards
IN Nat. Center for Atmospheric Res., (NCAR/TN-237+IA), 1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES (cont'd)

- Davidson, K L; Geernaert, G L
R/V Haakon Mosby meteorological measurements/conditions
IN CRREL, (Special rep. 84-29), 1984, p. 93-95.
- Elsberry, R L
A synoptic case study analysis of the ocean temperature
Prepared for NORDA, Bay St. Louis, Miss. Naval
Postgraduate School, (NPS-63-84-003), Jan., 1984. 75
p.
- Elsberry, R L
Some issues related to the theory of tropical cyclone
motion
Sponsored by Office of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-63-86-005), Sept.,
1986. 24 p.
- Elsberry, R L
Interim review of the possibilities and opportunities
for the office of Naval Research Tropical Cyclone
Research Initiative
Sponsored by: Office of Naval Research, Marine
Meteorology Program, Arlington, VA, Naval
Postgraduate School, (NPS 63-87-007), Sept., 1987.
31 p.
- Elsberry, R L
Potential observing systems for tropical cycle motion
studies
Sponsored by: Office of Naval Research, Marine
Meteorology Program, Arlington, VA, Naval
Postgraduate School, (NPS 63-87-003), May 1987. 47
p.
- Elsberry, R L; Fiorino, M
Some design considerations for an advanced tropical
cyclone model
Naval Environmental Prediction Res. Facility,
(NEPRF-TR-85-03), Oct., 1985. 152 p.
- Elsberry, R L; Hamilton, H D; Petit, P A
Accuracy and operational use of medium and extended
range numerical atmospheric forecasts: A review.
Naval Environmental Prediction Res. Facility,
(NEPRF-CR-85-02), Feb., 1985. 84 p.
- Elsberry, R L; Hamilton, H D; Petit, P A
Medium Range Atmospheric Forecast System: Evaluation
plan
Naval Environmental Prediction Res. Facility,
(NEPRF-CR-85-03), Feb., 1985. 40 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES (cont'd)

- Elsberry, R L; Hamilton, H D; Petit, P A
Medium Range Atmospheric Forecast System: Evaluation
report
Naval Environmental Prediction Res. Facility,
(NEPRF-CR-85-04), Feb., 1985. 86 p.
- Elsberry, R L; Wash, C H; Liou, C -S; Peak, J E
Observational-numerical study of maritime extratropical
cyclones using First Global Atmospheric Research
Prediction Global Experiment data
Prepared for Nat. Aeron. and Space Administration,
Washington, D.C. Naval Postgraduate School,
(NPS-63-85-001), May, 1985. 40 p.
- Fellbaum, S R; Davidson, K L; Boyle, P A; Geernaert, G L;
Guest, P S; Skupniewicz, C
Mixed layer dynamics experiment meteorology data report
Sponsored by Office of Naval Research, Washington,
DC. Naval Postgraduate School, (NPS-63-87-002),
March, 1987. 142 p.
- Geernaert, G L; Byars, B J; Davidson, K L; Larsen, S E;
Mikkelsen, T
Meteorology results from the Tower Ocean Wave and Radar
Dependence Experiment
Sponsored by Office of Naval Research, Washington,
DC. Naval Postgraduate School, (NPS-63-87-001),
March, 1987. 117 p.
- Hendrie, L K; Knapp, W W; Lala, G G; Shaw, W J; Stamm, A
Field environment
IN Nat. Center for Atmospheric Res.,
(NCAR/TN-237+1A), 1984.
- Schacher, G E; Larsen, S; Mikkelsen, T
Diffusion estimates handbook (Application to the space
shuttle HCR exhaust cloud)
Air Force Space Div. Naval Postgraduate School,
(NPS-61-86-009), Feb., 1986.
- Shaw, W J; Borrmann, S; Fellbaum, C; Skupniewicz, C E;
Vaucher, C A; Vaucher, G T
Sodar, rawinsonde, and surface layer measurements at a
coastal site: SCCAMP data report, part 2
Sponsored by Western Oil and Gas Association. Naval
Postgraduate School, (NPS-63-86-001), Apr., 1986.
102 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF METEOROLOGY

TECHNICAL REPORTS AND NOTES (cont'd)

Skupniewicz, C E; Borrmann, S; Fellbaum, C; Shaw, W J;
Vaucher, C A; Vaucher, G T
Shipboard observations of mean and turbulent atmospheric
surface layer quantities: SCCCAMP data report, part 1
Sponsored by Western Oil and Gas Association. Naval
Postgraduate School, (NPS-61-86-012), May, 1986. 64
p.

Wash, C H
Single-station forecasting with interactive computer
systems
Sponsored by Naval Environmental Prediction Research
Facility, Monterey, CA. Naval Postgraduate School,
(NPS-63-87-004), 1987. 32 p.

Wash, C H
Single-station forecasting with interactive computer
systems
Sponsored by Naval Environmental Prediction Research
Facility, Monterey, CA, Naval Postgraduate School,
(NPS-63-87-004), 1987. 32 p.

Wash, C H; Spray, L; Chou, L C
Satellite cloud and precipitation analysis using a
minicomputer
Sponsored by Naval Environmental Prediction Res.
Facility, Monterey, Calif. Naval Postgraduate
School, (NPS-63-85-003), Nov., 1985. 90p.

Wash, C H; Spray, L A
Weather analysis programs using HP-41CV
Prepared for Naval Oceanographic Office, Bay St.
Louis, Miss. Naval Postgraduate School,
(NPS-63-84-008), Nov., 1984. 40 p.

Williams, F R; Renard, R J; Jung, G H; Tomkins, R D;
Picard, R R
Forecaster's handbook for the Southern African Continent
and Atlantic/Indian Ocean transit
Sponsored by Naval Air Systems Command, Washington,
D.C. Naval Environmental Prediction Res. Facility,
(NEPRE-TR-84-08), 1985. 325 p.

**DEPARTMENT
OF
NATIONAL SECURITY AFFAIRS**

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
CONFERENCE PRESENTATIONS

- Abenheim, D
Aspects of West German defense in the early 1950s
Konrad Adenauer Reconsidered, Stanford Univ., CA,
Sept. 1987.
- Abenheim, D
Citizen in uniform: Reform and its critics in the
Bundeswehr
Bundeswehr and the Future of Western Defense,
Washington, DC, 15 Sept., 1987.
- Buchanan, P G
Redemocratization in Argentina, 1981-1983
Transitions to Democracy in the Southern Cone, Univ.
of Calif. - Santa Cruz, May 17-18, 1985.
- Buchanan, P G
The Latin American view
Aiding Anti-Communist Insurgencies: Ethical and
Practical Issues, World Affairs Council Forum Series,
Monterey, Calif., June 3, 1985.
- Buchanan, P G
Transitions to democracy: Argentina and Brazil
Authoritarian regimes in transition: Argentina and
Brazil, Washington, DC, Dec. 1985.
- Buchanan, P G
Labor Administration and democracy in Argentina
Latin American studies Asso. Annual Mtg., Boston, MA,
Oct., 1986.
- Frederiksen, P C; Looney, R E
Feasibility of the Caribbean Basin Initiative: Jamaica
as a case study
20th Atlantic Econ. Conf., Washington, D.C., Aug.
29-Sept. 1, 1985.
- Herbig, K L
American strategic deception in the Pacific: The case
of Bluebird
Authoritarian Regime In Transition: Argentina and
Brazil, Washington, DC, Dec., 1985.
- Herbig, K L
American Strategic Deception in the Pacific: The
beginnings in case Wedlock
Conf. on Intelligence and Deception, U.S. Army War
College, Carlisle, PA, Apr., 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
CONFERENCE PRESENTATIONS (cont'd)

- Jencks, H W
The current state of Chinese military studies.
Colloquium of Center for Chinese Studies, Univ. of
California, Berkeley, CA, Feb. 7, 1986.
- Jencks, H W
China's military policies and their implications for
Southeast Asia
US-ASEAN Conf. on ASEAN and China, Kuala Lumpur,
Malaysia, 5-8 Jan., 1987.
- Jencks, H W
Civil-military relations in communist Asia
American Poli. Sci. Assoc., Chicago, IL, Sept. 1987.
- Jencks, H W
The party, the gun, and the great leader:
Civil-military relations in North Korea
Conf. on Asian Communist Societies, Bodega Bay, CA,
6-9 July, 1987.
- Looney, R E
Monetary policy, industrialization and religion: The
case of the Gulf States
Middle East Econ. Assoc. Conf., Dallas, Tex., Dec.
28-30, 1984.
- Looney, R E
Optimal growth paths for the Jamaican economy, 1983-90
No. Am. Economics and Finance Assoc. Conf., Dallas,
Tex., Dec. 28-30, 1984.
- Looney, R E
Rules vs. authorities in the conduct of Saudi Arabian
monetary policy
Middle East Econ. Assoc. Conf., Dallas, Tex., Dec.
28-30, 1984.
- Looney, R E
Military expenditures in developing countries: Patterns
of budgetary tradeoffs
Inter-Univ. Seminar on Armed Forces and Soc.,
Chicago, IL, Oct. 18-20, 1985.
- Looney, R E
Profiles, of Latin American arms producers
Inter-Univ. Seminar on Armed Forces and Soc.,
Chicago, IL, Oct. 18-20, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
CONFERENCE PRESENTATIONS (cont'd)

- Looney, R E
Structural origins of Mexican inflation
Social and Economic Studies, vol. 34, no. 3, p.
165-198, (Sep., 1985).
- Looney, R E
The feasibility of the Caribbean Basin Initiative:
Jamaica as a case study
Atlantic Econ. Conf., Washington, D.C., Aug. 29 -
Sept. 1, 1985.
- Looney, R E
Impact of debt servicing on Argentina budgetary
priorities
Western Econ. Asso., San Francisco, CA, July 1-5,
1986.
- Looney, R E
Problems associated with third world disarmament
Fletcher School-Univ. of London Conf. on Third World
Military Expenditures, London, England, Mar. 19-21,
1986.
- Looney, R E
A monetary approach to movements in Caribbean balance of
payments: With special reference to Jamaica
North American Economics and Finance Association
Conference, Laredo, TX, June 17-21, 1987.
- Looney, R E
Economic factors affecting third world arms imports
California Seminar, Los Angeles, CA, April 20, 1987.
- Looney, R E
Limitations of Mexican debt based growth
Conference on Latin American Debt: Problems and
Policies, Hoover Institution, Stanford University,
Sept. 17-19, 1987.
- Looney, R E; Frederiksen, P
Impact of Caribbean basin initiative on the Jamaican
economy: An optimal control analysis
North Am. Econ. and Finance Asso., New York, NY, Dec.
28-31, 1985.
- Looney, R E; Frederiksen, P
The impact of defense spending on economic performance
Atlantic Econ. Asso., St. Thomas, Virgin Islands,
Apr. 15-20, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
CONFERENCE PRESENTATIONS (cont'd)

- Looney, R E; Frederiksen, P C
The impact of public enterprises on economic growth in
Latin America: The case of defense industries
3rd Int. Mtg., North Am. Economics and Finance
Assoc., Mexico City, Mexico, July, 1985.
- Magnus, R H
Afghanistan: Humanitarian response to an inhuman
strategy
Middle East Studies, Asso., 19th Annual mtg., New
Orleans, LA, Nov. 23-26, 1985.
- Magnus, R H
Health care for civilian population and Mujahideen
14th Annual Conf. on South Asia, Univ. of Wisconsin,
Madison, WI, Nov. 1-3, 1985.
- Magnus, R H
Non-government medical aid to the Mujahidin
1985 - The Year of Decision, A Conf. on Afghanistan,
Marymount College, Arlington, Va., May 30-31, 1985.
(Sponsored by the Federation for American Afghan
Action).
- Magnus, R H
The communist coup and background to the Soviet invasion
of Afghanistan
Afghanistan Day 1985, Old Senate Office Bldg.,
Washington, D.C., Mar. 21, 1985. (Sponsored by
Congressional Task Force on Afghanistan, Department
of State, and Committee for a Free Afghanistan.)
- Magnus, R H
A regional perspective on an Afghan settlement
Annual Conf., Middle East Studies Association,
Boston, MA, Nov., 1986.
- Magnus, R H
Afghanistan: The regional perspective
Heritage Foundation Conf. on Afghanistan, Washington,
DC, Jan. 17, 1986.
- Magnus, R H
Prospects for a negotiated settlement
Afghanistan Konference 1986, Copenhagen, Denmark,
Nov., 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
CONFERENCE PRESENTATIONS (cont'd)

- Olsen, E A
Asian Communist Navies
1985 Seapower Conf., Center for Naval Analysis,
Washington, DC, June 3-5, 1985.
- Olsen, E A
Defense industries and So. Korean economy
ISA Annual Mtg., Chicago, IL, Mar., 1985.
- Olsen, E A
The implications for US-ROK securities of changing
economic relations
Council on US-Korea Security Studies, Indiana
University, December, 1986.
- Olsen, E A
US-Japan defense cooperation
U.S. Strategy in East Asia, Naval War College, Mar.,
1985.
- Olsen, E A
US-USSR Balance in N.E. Asia
Korean Assoc. of I.R., Seoul, Korea, Aug., 1986.
- Olsen, E A
Government, policy, politics, and economic dynamism in
South Korea
Dynamism in Asia, University of SC, Institute of
Intl. Studies, February, 1987.
- Olsen, E A
The maritime strategy in the Western Pacific
Intl. Studies Association, Washington, DC, April,
1987.
- Olsen, E A
U.S. perspectives on Northeastasian security
Intl. Studies Association, Washington, DC, April,
1987.
- Tritten J J
The relationship of non-nuclear and nuclear warfare
Int. Studies Asso., Anaheim, CA, Mar., 1986.
- Tritten, J J
Declaratory policy for the strategic employment of the
Soviet Navy
26th Annual Convention of the Intl. Studies Assoc.,
Washington, DC, March, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
CONFERENCE PRESENTATIONS (cont'd)

- Tritten, J J
Soviet amphibious, mine, and coastal patrol forces
1985 Center for Naval Analyses Sea Power Forum,
Washington, DC, Nov., 1985.
- Tritten, J J
Suggestions for useful scenarios
Scenario Planning Conf. - Rand Corp., Washington, DC,
July, 1986.
- Tritten, J J
The importance of Communist ideology on international
systems theory
Annual Conference of the American Society of
Cybernetics, Virginia Beach, VA, February, 1986.
- Tritten, J J; Barnett, R W
Are naval operations Unique?
Military Conflict Inst., McLean, VA, Nov., 1985.
- Tritten, J J; Masterson, K S
New concepts in global wargaming
54th Military Oper. Res. Soc. (MORS) Symp.,
Washington, DC, June, 1986
- Winterford, D
Security, sovereignty and economics: Armaments
limitation in Asia
Am. Political Sci. Asso. Annual Mtg., Washington,
DC, Aug., 1986.
- Yost, D S
Commentary on The arms control arena: Target on policy
initiatives
Contemporary Soviet Propaganda and Disinformation,
Airlie, VA, June 25-27, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
CONTRIBUTIONS TO BOOKS (cont'd)

- Olsen, E A
U.S., Japan and North Korea
IN H.D. Chui and Y.S. Yim, eds.: Politics of
adversary relations, Cheungju Univ., 1986.
- Olsen, E A
Democracy in the Far East
IN R. Wesson, ed.: Democracy: A global
assessment, Praeger Pub., 1987.
- Olsen, E A
Northeast Asia- Korea
IN R. S. Litwak, ed.: The Third World and Intl.
Security, Ballinger Press, 1987.
- Olsen, E A
Preface
IN M. Matsui, ed.: Japanese Library Collections
on the Pacific Coast, Univ. of Hawaii, Asian
Library Publications, 1987.
- Olsen, E A
The Sea of Japan
IN Y. H. Kihl, and L. E. Grinter, eds.:
Asian-Pacific Security, St. Martins Press,
1987.
- Olsen, E A; Jurika, S
Armed Forces in contemporary Asia
Westview, Boulder, CO, 1986.
- Tritten, J J
Soviet naval forces and nuclear warfare: Weapons,
employment, and policy
Boulder, CO, Westview, 1986. 282 p.
- Tritten, J J
Soviet amphibious, mine, and coastal patrol force
IN Soviet and other Communists navies: The view from
the mid-1980's, U.S. Naval Institute, 1986, p.
153-170.
- Valenta, J
Soviet strategy and policies in the Caribbean Basin
IN A. Adelman, ed.: Crisis in the Caribbean
basin, Pittsburgh Univ. Press, 1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
CONTRIBUTIONS TO BOOKS (cont'd)

- Valenta, J
Soviet strategy and policies in the Caribbean Basin
IN H. Wiarda, ed.: Rift and revolution: The
Central American embroglio, Am. Enterprise
Inst., 1984, p. 197-252.
- Yost, D S
Die zukunft atomarer rustungskontrolle in Europa: von
SALT zu START und INF
Koblenz, F. R. G., Bernard und Graefe Verlag, 1984.
220 p.
- Yost, D S
France and conventional defense in Central Europe
European-American Inst. for Security Research, 1984.
132 p.
- Yost, D S
Arms control and European security: An overview of
START, INF, MBFR, and CSCE/CDE
IN R. Huber and R. Avenhaus, eds.: Quantitative
assessment in arms control, Plenum Publ. Co.,
New York, N. Y., 1984, p. 13-47.
- Yost, D S
Rustungskontrolle im KSZE-prozess: Zum stand der
verhandlungen uber ein mandat fur eine Konferenz uber
Abrustung in Europa auf dem Madrider Flogetreffen
IN H. Volle and W. Wagner, eds.: Das madrider
KSZE-folgetreffen: Der fortgang des
KSZE-prozesses in Europa, Verlag fur
Internationale Politik, Bonn, F. R. G., 1984,
p. 37-44.
- Yost, D S
France and conventional defense in central Europe
Boulder, CO, Westview, 1985. 132 p.
- Yost, D S
La France et la securite europeenne
Presses Universitaires de France, 1985. 346 p.
- Yost, D S
French nuclear targeting
IN D. Ball and J. Richelson, eds.: Strategic
nuclear targeting, Cornell Univ. Press, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
CONTRIBUTIONS TO BOOKS (cont'd)

- Yost, D S
Ballistic missile defense and the Atlantic Alliance
IN S.E. Miller, S. Van Evera, eds.: The Star Wars Controversy, Princeton, NJ, Princeton Univ. Press, 1986, p. 131-162.
- Yost, D S
French nuclear targeting
IN D. Ball and J. Richelson, eds.: Strategic nuclear targeting, Cornell Univ. Press, 1986, p. 127-156.
- Yost, D S
Soviet ballistic missile defense and European security
IN H.J. Neuman, ed.: The American Strategic Defense Initiative: Implications for West European security, Netherlands Inst. of Int. Relations, 1986, p. 50-126.
- Yost, D S
Soviet ballistic missile defense and the Atlantic Alliance
IN D. Quayle, R. E. Hunter, and C. E. Farmer, eds.: Strategic Defense and the Western Alliance, Georgetown Univ., Center for Strategic and Intl. Studies, 1986, p. 70-85.
- Yost, D S
Soviet missile defense and NATO
IN Z. Brzezinski, ed.: Promise or peril: The Strategic Defense Initiative, Ethics and Public Policy Center, 1986 p. 267-281.
- Yost, D S
Alliance strategy and ballistic missile defense
IN S. Lakoff and R. Willoughby, authors: Strategic defense in the Western Alliance, Lexington, KY, D.C. Heath, 1987, p. 63-204.
- Yost, D S
Strategic defenses in Soviet doctrine and force posture
IN S. Lakoff, and R. Willoughby, Strategic defense in the Western Alliance, Lexington, KY, D.C. Heath, 1987, p. 63-104.
- Yost, D S
The Soviet campaign against INF in West Germany
IN P. J. Parker, and B. D. Dailey, eds.: Soviet strategic deception, Lexington, KY, D.C. Heath, 1987, p. 343-374.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
CONTRIBUTIONS TO BOOKS (cont'd)

Yost, D S
U.S. and Soviet views on prospects for a cooperative
transition in strategic defense
IN S. F. Wells and R. Litwak, eds.: Strategic
Defenses and Soviet-American Relations, Cambridge,
MA, Ballinger Pub., 1987, p. 163-174.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
CONTRIBUTIONS TO BOOKS

- Garritty, P J
Foreign policy in the 1984 Campaign: A retreat from the
brink?
IN Peter Schramm and Dennis Mahoney, eds. Due
dependence on the people: The 1984 election
and the future of American politics, Carolina
Academic Press, 1986.
- Herbig, K L
Chance and uncertainty in On War
IN Michael I. Handel, ed.: Clausewitz and modern
strategy, Frank Cass, 1986, p. 95-116
- Hoffman, F S; Wohlstetter, A; Yost, D S
Swords and shields: NATO, the USSR, and new choices for
long-range offense and defense
Lexington, KY, Heath, 1987. 369 p.
- Jencks, H W
The Military
IN J. Major, ed.: China briefing: 1987,
Boulder, CO, Westview, 1987.
- Laurance, E J; Mullen, J A
Assessing and analyzing international arms trade data
IN D. J. Louscher and M. D. Salomone, Eds.:
Marketing security assistance: New
perspectives on arms sales, New York, NY,
Lexington, 1987.
- Looney, R E
The political economy of Latin American defense
expenditures
Lexington Books, 1986. 325 p.
- Looney, R E
The Jamaican Economy in the 1980s
Westview Press, 1986. 225 p.
- Magnus, R H
Mushkilat Afghanistan, qdhaya, khayarat, siyasat (Arabic
ed. of Afghanistan: Issues, options and policies)
Cairo, Egypt, Maktabat al-wa'i al Arabi, 1985. 322
p.
- Magnus, R H
Introduction
IN R. H. Magnus, ed.: Afghan alternatives:
Issues, options, and policies, New Brunswick,
N. J., Transaction Books, 1985, p. 1-12.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

CONTRIBUTIONS TO BOOKS (cont'd)

- Magnus, R H
Introduction (Arabic ed. of Afghanistan: Issues,
options and policies)
IN R.H Magnus, ed.: Mushkilat Afghanistan,
Odhaya, khayarat, siyasat. Cairo, Egypt,
Maktabat al-wa'i, 1985. 322 p.
- Magnus, R H
The military and politics in Afghanistan: Before and
after the revolution
IN Edward A. Olsen and Stephen Jurika, Jr.,
eds.: The Armed Forces in Contemporary Asian
societies, Boulder, CO, Westview, 1986, p.
325-344.
- Magnus, R H
Humanitarian response to an inhuman strategy
IN G. M. Farr and J. G. Merriam, eds.: Afghan
resistance, The politics of survival, Boulder, CO,
Westview Press, 1987, p. 191-212.
- Magnus, R H; ed.
Afghan alternatives: Issues, options and policies
New Brunswick, N. J., Transaction Books, 1985. 221
p.
- Olsen, E A
Democracy in Far East
IN R. Wesson, ed: Democracy: Global assessment,
Hoover/Praeger, 1986.
- Olsen, E A
Hangook jushik whaesae: Pak chungkwon ui kyongjae
jungchek kwa kuh chunchichuk yonghyang
IN Y.N. Ku and H.J. Kim, eds.: Nambukhan chungji
tonghapkwa gookjae kwangye, Kyungnam Univ.,
1986.
- Olsen, E A
Navies of North Korea, Vietnam and Cambodia
IN J. George, ed.: 1985 Seapower forum on
Communist Navies, Naval Inst. Press, 1985.
- Olsen, E A
South Korea
IN S. Hildred and r. Jones, eds: Emerging
powers: Defense and third world, Praeger,
1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
PUBLISHED PAPERS

- Buchanan, P G
Transitions to democracy: Argentina and Brazil
Authoritarian Regimes in Transition: Argentina and
Brazil, Washington, DC, Dec., 1985.
IN Authoritarian regimes in transition, Foreign
Service Inst., (1986).
- Buchanan, P G
State corporatism in Argentina: Labor administration
under Peron and Ongania
Latin Am. Res. Rev., vol. 20, no. 1, p. 63-96,
(Spring, 1985).
- Frederiksen, P C; Looney, R E
Another look at the defense spending and development
hypothesis
Defense Analysis, vol. 1, no. 3, (Oct./Nov., 1985).
- Frederiksen, P C; Looney, R E
Defense expenditures and economic growth in developing
countries: A reply
Armed Forces and Soc., vol. 11, no. 2, p. 298-301,
(winter, 1985).
- Garritty, P J
Why we need nuclear weapons
Policy Rev., no. 35, (Winter, 1986).
- Herbig, K L
Chance and uncertainty in On War
J. of Strategic Studies, vol. 9, nos. 2-3, p. 95-116,
(Jun./Sept., 1986).
- Jencks, H W
PRC defense strategy as reflected in military reform
Int. Studies Asso. Annual convention, Anaheim, CA,
Mar. 26, 1986.
- Jencks, H W
Watching China's military: A personal view
Problems of Communism, vol. 35, no. 3, p. 71-78,
(May-June, 1986).
- Jencks, H W
China's military policies and their implications for
Southeast Asia
US-ADSEAN Conf. on ASEAN and China, Kuala Lumpur,
Malaysia, 5-8 Jan., 1987.
IN Proc. US-ASEAN Conf., Univ. of CA Press,
(1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS

(cont'd)

- Jencks, H W
Defending China in 1987
Current History, vol. 86, no. 521, p. 266-69,
276-279, (Sept. 1987).
- Looney, R E
Demographic perspectives on Saudi Arabia's development
United Nations Population Bulletin, no. 26, (June,
1985).
- Looney, R E
A monetarist interpretation of inflation in
pre-revolutionary Iran
J. of South Asian Social, Political and Economic
Studies, vol. 10, p. 87-102, (Spring, 1985).
- Looney, R E
A monetarist interpretation of inflation in
pre-revolutionary Iran
J. of Social, Political and Econ. Studies, vol. 10,
no. 1, p. 87-102, (Spring, 1985).
- Looney, R E
Impact of oil revenues on the pre-revolutionary Iranian
economy
Middle Eastern Studies, vol. 21, no. 1, p. 61-71,
(Jan., 1985).
- Looney, R E
Saudi Arabia's industrialization strategy
J. of Social Political and Economic Studies, vol. 10,
no. 4, p. 437-454, (Winter, 1985).
- Looney, R E
Saudi Arabia's islamic growth model applications to
monetary and banking policy
J. of Social, Political and Economic Studies, vol.
10, no. 2, p. 177-194, (Summer, 1985)
- Looney, R E
Saudi Arabia's Islamic growth model
Finance and Industry, no. 6, (1985).
- Looney, R E
Saudi Arabia's Islamic Growth Model: Applications to
monetary and banking policy
J. of Social, Political and Econ. Studies, vol. 10,
no. 2, p. 177-194, (Summer, 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
PUBLISHED PAPERS (cont'd)

- Looney, R E
The inflationary process in pre-revolutionary Iran
J. of Developing Areas, vol. 19, no. 3, p. 329-350,
(Apr., 1985).
- Looney, R E
Austerity and military expenditures in developing
countries: The case of Venezuela
Socio-Economics Planning Sciences, vol. 20, no. 3, p.
161-164, (1986).
- Looney, R E
Demilitarization in Argentina
Defense Analysis, vol. 2, no. 4, p. 322-24,
(December, 1986).
- Looney, R E
Determinants of per capita military expenditures in
developing countries
Manchester papers on development, vol. 11, no. 3, p.
1-21, (November 1986).
- Looney, R E
Factor's underlying Venezuelan defense expenditures
Arms Control, vol. 7, no. 1, (May, 1986)
- Looney, R E
Factors underlying Venezuelan defense expenditures
1950-83
Arms Control, vol. 7, no. 1, p. 74-101, (May 1986).
- Looney, R E
Military expenditures in Latin America: Budgetary
tradeoff analysis
J. of Econ. Development, vol. 11, no. 1, p. 69-104,
(Jul., 1986).
- Looney, R E
Socio-economic tradeoffs in Saudi Arabia's third five
year plan
Socio-Economic Planning Sciences, vol. 20, no. 4, p.
181-192, (1986)
- Looney, R E
Termination of the Mexican economic model
Scandinavian J. of Development Alternatives, no. 4,
p. 81-94, (Dec., 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS

(cont'd)

- Looney, R E
Termination of the Mexican economic model
Scandinavian Journal of Development Alternatives,
vol. V, no. 4, p. 81-94, (December, 1986).
- Looney, R E
Consequences of military rule in Argentina
Comparative Political Studies, vol. 20, no. 1, p.
34-46, (April 1987).
- Looney, R E
Defense expenditures and pre revolutionary Iranian
economic growth
J. of Economics and Administrative Studies, vol. 1,
no. 1, p. 109-141, (Winter, 1987).
- Looney, R E
Determinants of Venezuelan budgetary priorities
Socio Economic Planning Sciences, vol. 20, no. 1, p.
34-66, (April 1987).
- Looney, R E
Impact of increased external debt servicing on
government budgetary priorities in Argentina
Socio Economic Planning Sciences, vol. 21, no. 1, p.
25-32, (September, 1987).
- Looney, R E
Impact of military expenditures on third world debt
Canadian J. of Development Studies, vol. 8 no. 1, p.
7-26, (November, 1987).
- Looney, R E
Mechanism of Mexican economic growth: The role of
deteriorating sources of growth in the current economic
crisis
The J. of Social, Political and Economic Studies,
vol. 12, no. 1, p. 77-94, (Spring, 1987).
- Looney, R E
Profiles of third world mineral producers
Resources Policy, vol. 13, no. 1, p. 55-67, (March,
1987).
- Looney, R E
Scope for policy in an oil based economy: Mexican
stabilization efforts in the 1970s
Socio Economic Planning Sciences, vol. 21, no. 3, p.
167-176, (1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS

(cont'd)

- Looney, R E
The money supply process in pre revolutionary Iran
Socio Economic Planning Sciences, vol. 21, no. 4, p.
257-262, (1987).
- Looney, R E
The Argentinean economic crisis
Scandinavian J. of Development Alternatives, vol. 5,
no. 2-3, p. 125-137, (June/September, 1987).
- Looney, R E; Frederiksen, P
Defense expenditures external public debt and growth in
developing countries
J. of Peace Res., vol. 23, no. 4, (1986).
- Looney, R E; Frederiksen, P
Profiles of current Latin American Arms Producers
Int. Organization, vol. 40, no. 3, p. 745-752,
(Summer, 1986).
- Looney, R E; Frederiksen, P
The future demand for military expenditures in Argentina
Arms Control, vol. 7, no. 2, p. 197-202, (September,
1986).
- Looney, R E; Frederiksen, P
Consequences of military and civilian rule in Argentina:
An analysis of central government budgetary tradeoffs
Comparative Political Studies, vol. 20, no. 1, p.
34-46, (April, 1987).
- Looney, R E; Frederiksen, P
Environments conducive to indigenous third world arms
production
Defense Analysis, vol. 3, no. 1, p. 80-81, (March,
1987).
- Looney, R E; Frederiksen, P
Fiscal policy in Mexico: The Fitzgerald thesis
reexamined
World Development, vol. 15, no. 3, p. 399-404,
(March, 1987).
- Looney, R E; Frederiksen, P C
The impact of public enterprises on economic growth in
Latin America: The case of defense industries
3rd Int. Mtg., North Am. Economics and Finance
Assoc., Mexico City, Mexico, July, 1985.
IN Proc., (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS

(cont'd)

Magnus, R H

Non-governmental medical aid to the Mujahidin
1985 - The Year of Decision, A Conf. on Afghanistan,
Marymount College, Arlington, Va., May 30-31, 1985.
(Sponsored by the Federation for American Afghan
Action.)
IN Proc., (1985).

Magnus, R H

The communist coup and background to the Soviet invasion
of Afghanistan
Afghanistan Day 1985, Old Senate Office Bldg.,
Washington, D.C., Mar. 21, 1985.
IN Public diplomacy on Afghanistan, (Committee
transcript), Congressional Task Force on
Afghanistan, June 17, 1985, p. 40-76.

Magnus, R H

The Afghan stalemate: Commentary and reply
Parameters, vol. 15, no. 2, p. 80-81, (Summer, 1985).

Magnus, R H; Amos, J W

Regional perceptions of the American Central Command
(CEMTCOM)
Conflict, vol. 5, no. 4, p. 337-353, (1985).

Olsen, E A

Chiipu Raida e no fuman
Chuo Koron (Japan), (Dec., 1985).

Olsen, E A

Strength western alliances
J. of Contemporary studies, (Fall/Winter, 1985).

Olsen, E A

US-Japan-Rok military cooperation
Asian Perspective, (Fall/Winter, 1985).

Olsen, E A

Arms Race on Korean Peninsula
Asian Survey, (Aug., 1986).

Olsen, E A

Determinants of strategic burdensharing in East Asia
Naval War College Rev., (May-June, 1986).

Olsen, E A

Korean politics in U.S. policy: Higher pressure and
lower profile
Asian Survey, (August, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
PUBLISHED PAPERS (cont'd)

- Olsen, E A
The pitfallsof Korean factionalism
The Christian Science Monitor, (July 21, 1987).
- Ramp, S R; Schlitz, R J; Wright, W R
The deep flow through the northeast channel, Gulf of
Maine
J. of Physical Oceanogr., vol. 15, no. 12, p.
1709-1808, (Dec., 1985)
- Tritten, J J
Carrier-heavy U. S. Navy
Los Angeles Times, May 25, 1984. p. II/6.
- Tritten, J J
Soviet Navy: Threat assessment
Navy International, vol. 89, no. 10, p. 613-621,
(October, 1984).
- Tritten, J J
Strategic ASW
The Submarine Review, January, 1984, p. 52-55.
- Tritten, J J
Strategic ASW: A good idea?
U.S. Naval Institute Proceedings, vol. 110, no. 1, p.
90-92, (January, 1984).
- Tritten, J J
The character of naval warfare: A Soviet view
J. of the Australian Naval Institute, vol. 10, no. 2,
p. 19-22, (May, 1984).
- Tritten, J J
The concept of strategic ASW
Navy International, vol. 89, no. 6, p. 348-350,
(June, 1984).
- Tritten, J J
The defense of northern Norway
Marine Corps Gazette, vol. 68, no. 1, p. 28-29,
(January, 1984).
- Tritten, J J
The Soviet Navy Auxiliary Fleet
Navy International, vol. 89, no. 4, p. 241-244,
(April, 1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
PUBLISHED PAPERS (cont'd)

- Tritten, J J
Soviet Naval strategy?
Naval Forces, vol. 8, no. 4, p. 56-60, (1987).
- Tritten, J J; Barnett, R
Are naval operations unique?
Naval Forces, vol. VII, no. V, p. 20-30, (1986).
- Tritten, J J
The Soviet's Bastion strategy
Submarine Rev., p. 82-83, (Oct., 1985).
- Valenta, J
Revolutionary change, Soviet intervention and
normalization in East-Central Europe
Comparative Politics, vol. 16, no. 2, p. 127-150,
(Jan., 1984).
- Yost, D S
France's potential contributions in conventional
contingencies in Central Europe
European American Workshop on Evolving Soviet
Nonnuclear Options and the Scope for NATO Responses,
Washington, D.C., Oct. 29-30, 1983.
IN European-Am. Inst. for Security Res. France and
conventional defense in Central Europe, 132 p.,
(1984).
- Yost, D S
Die sorgen der Europaer gegenüber den Amerikanischen
planen für eine raketenabwehr
Europa-Archiv, Zeitschrift für Internationale
Politik, vol. 39, no. 14, p. 427-436, (July 25,
1984).
- Yost, D S
European anxieties about ballistic missile defense
Washington Q., vol. 7, no. 4, p. 112-129, (Fall,
1984).
- Yost, D S
European-American relations and NATO's initial missile
deployments
Current History, vol. 83, no. 492, p. 145-148,
184-186, (Apr., 1984).
- Yost, D S
Les inquietudes europeennes face aux systemes de defense
anti-missiles
Politique etrangere, vol. 49, no. 2, p. 381-399,
(Summer, 1984).

DEPARTMENT
OF
OCEANOGRAPHY

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS

- Abdelrahman, S; Thornton, E B
Modulation of short waves and long infragravity waves
Am. Geophysical Union, San Francisco, CA, Dec. 5,
1985.
- Abdelrahman, S M; Thornton, E B
Changes in the short wave amplitude and wavenumber due
to the presence of infragravity waves
Coastal Hydrodynamics, Newark, DE, June, 1987.
- Aranavachapun, S; Thornton, E B
Spatial and temporal variation of shallow water waves
AGU Mtg., San Francisco, Calif., Dec. 8-10, 1984.
- Arnone, R A; Tucker, S P; Hilder, F A
Secchi depth atlas of the world's coastlines
SPIE Ocean Optics VII, Naval Postgraduate School,
Monterey, Calif., June 25-28, 1984.
- Batteen, M
On using sigma coordinates in ocean models
WOCE Workshop on Process Dynamics in Large-Scale
Ocean Circulation Modeling, Sidney, British Columbia,
Jul. 22-25, 1986.
- Batteen, M; Haney, R L; Mooers, C N K
Coastal and bathymetric influences on eddy generation in
the California Current System
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.
5-17, 1985.
- Bourke, R H
Determination of sea-ice freeboard
Sea-Ice Thickness Workshop, Albuquerque, NM, Dec 2-5,
1985.
- Bourke, R H
The West Spitsbergen Current
Poleward Flows on Eastern Ocean Boundaries, Monterey,
CA, December, 1986.
- Bourke, R H
Impact of Arctic environment on ASW operations
55th Military Operations Research Soc. (MORS) Conf.,
Maxwell AFB, Montgomery, AL, May, 1987.
- Bourke, R H; Garrett, R P
Spatial distributions of Arctic Sea ice
24th Mine Development Conf., Washington, D.C., May
14-16, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- Bourke, R H; Garrett, R P
Sea ice thickness distribution in the Arctic Ocean
Annual Meeting of American Geophysical Union, San
Francisco, CA, December, 1986.
- Bourke, R H; Newton, J L; Paquette, R G; Weigel, A M
Oceanographic observation of the Marginal Ice Zone in
Fram Strait
Ocean Sciences Mtg. of Am. Geophysical Union, New
Orleans, LA, Jan. 13-14, 1986.
- Bourke, R H; Paquette, R G; Newton, J L; Tunncliffe, M D
Oceanographic observations on the ice-covered Greenland
shelf
AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.
- Bourke, R H; Tunncliffe, M D; Paquette, R G; Newton, J L
Oceanographic observations on the Northeast Greenland
Shelf
Ocean Sciences Mtg. of Am. Geophysical Union, New
Orleans, LA, Jan. 13-14, 1986.
- Bourke, R H; Weigel, A M
On the Baroclinic circulation of the West Spitsbergen
Current
Fram Strait: Exchange and Dynamics Workshop,
Seattle, WA, November, 1986.
- Breaker, L C; Lewis, P A W; Mooers, C N K
Detection of an approximate 46-day cycle in SST off
Central California Coast
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Breaker, L C; McLain, D; Brainard, R
On the representativeness of coastal SSTs off Central
California Coast
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Breaker, L C; Mueller, J L; Wash, C H
Satellite observed changes in sea surface temperature
and ocean color resulting from wind forces over the
California Current.
AGU Ocean Sciences Mtg., New Orleans, LA, Jan. 13-17,
1986.
- Chu, P C
A seabreeze mechanism in the marginal ice zone
American Geophysical Union Fall Meeting, San
Francisco, CA, December, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS

(cont'd)

- Tritten, J J
Their broken promises
U.S. Naval Institute Proceedings, vol. 110, no. 8, p.
55-61, (August, 1984).
- Tritten, J J
A theory of the wartime strategic employment of the
Soviet Navy
The Army Quarterly and Defense Journal, vol. 115, no.
2, p. 141-147, (April, 1985).
- Tritten, J J
The Soviet civilian fleet: A threat to the west?
Defense and Foreign Affairs, vol. XIII, no. 2, p.
31,35, (February, 1985).
- Tritten, J J
Soviet amphibious, mine and coastal patrol forces
1985 Center for Naval Analyses Sea Power Forum,
Washington, DC, Nov., 1985.
IN Soviet and other communist navies: The view
from the mid-1980's, U.S. Naval Inst., p.
153-170, (1986).
- Tritten, J J
Defensive strategy and offensive bastion
Seapower, vol. 29, no. 12, p. 64-70, (November,
1986).
- Tritten, J J
Ideology: The bears's carrot
U.S. Naval Inst. Proc., vol. 112, no. 7, p. 38-44,
(Jul, 1986)
- Tritten, J J
(Non) Nuclear warfare
U.S. Naval Institute Proc., vol. 113, no. 2, p.
64-70, (February, 1987).
- Tritten, J J
Interested in education?
Seapower, vol. 30, no. 3, p. 6, (February, 1987).
- Tritten, J J;
New directions
Naval War College Review, vol. 40, no. 2, p. 94,
(Spring, 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS

PUBLISHED PAPERS

(cont'd)

- Yost, D S
Soviet ballistic missile defense and NATO
NATO Rev., vol. 33, no. 5, p. 10-18, (Oct., 1985).
- Yost, D S
Radical change in French defense policy? A review essay
Survival, vol. 28, p. 53-58, (Jan./Feb., 1986).
- Yost, D S
Commentary on the arms control arena: Target on policy
initiatives
Contemporary Soviet Propaganda and Disinformation,
Airlie, VA June 25-27, 1985.
IN Contemporary Soviet Propaganda and
Disinformation, U. S. Dept. of State, p.
203-213, (1987).
- Yost, D S
Armements conventionnels: Une nouvelle negociation?
Defense Nationale, vol. 43, p. 59-75, (June, 1987).
- Yost, D S
Beyond MBFR: The Atlantic to the Urals Gambit
Orbis, vol. 31, p. 99-134, (Spring, 1987).
- Yost, D S
Die Kontrolle konventioneller Rustung vom Atlantik bis
zum Ural. Ein Mittel zur Behebung der Mangel bei MBFR?
Europa-Archiv, vol. 42, no. 10, p. 287-296, (May,
1987).
- Yost, D S
Soviet aims in Europe
Society, vol. 24, p. 72-79 (July/August 1987).
- Yost, D S
Suggested Readings (on European security)
Teaching Political Science: Politics in Perspective,
vol. 14, no. 3, p. 145-146, (Spring, 1987).
- Yost, D S
The Reykjavik summit and European security
SAIS Review, vol. 7, p. 1-22 (Summer/Fall 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF NATIONAL SECURITY AFFAIRS
TECHNICAL REPORTS AND NOTES

- Christon, C L
Air weapon systems in the third world: A combat potential assessment technique
Sponsored by HQ USAF/Assistant Chief of Staff Intelligence, Naval Postgraduate School, (NPS-56-86-001), June, 1986. 206 p.
- Dellenbrant, J A
The Soviet quest for regional security: Studies of Soviet foreign policy decision-making in the USSR
Naval Postgraduate School, (NPS-56-86-002), Sept., 1986.
- Tritten, J J
Are nuclear and nonnuclear war related?
Sponsored by Director, NET Assessment, Office of the Sec. of Defense, Washington, DC, Naval Postgraduate School, (NPS-56-87-009), Aug. 1987. 16 p.
- Tritten, J J
Creative use of scenarios
Sponsored by Director, NET Assessment, Office of the Secretary of Defense, Washington, DC, (NPS-56-87-001), April, 1987. 16 p.
- Tritten, J J
Soviet naval strategy
Sponsored by Dir. Net Assessment, Office of the Sec. of Defense, Washington, DC, Naval Postgraduate School, (NPS-56-87-010), Aug. 1987. 12 p.
- Tritten, J J; Masterson, K S
New concepts in global wargaming
Sponsored by Director, NET Assessment, Office of the Secretary of Defense, Washington, DC, (NPS-56-87-002), May, 1987. 15p.
- Yost, D S
Policy implications of West European reactions to the March 1983 U. S. proposals for ballistic missile defense
Sponsored by Pan Heuristics, Marina del Rey, Calif. Technical report, (MDA-903-83-C-0210), 1984. 72 p.
- Yost, D S
Alternative structures of European security
Sponsored by Intl. Security Studies Program, Woodrow Wilson Intl. Ctr. for Scholars, Smithsonian Inst., Washington, DC, Working Paper no. 81, 1987. 70 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- Chu, P C
An air-ice-ocean feedback mechanism in the marginal ice zone
Intl. Union of Geodesy and Geophysics XIX, Vancouver, Canada, August, 1987.
- Chu, P C; Garwood, R W
Thermodynamic feedback between summer monsoon and ocean temperature and salinity
Intl. Union of Geodesy and Geophysics XIX, Vancouver, Canada, August, 1987.
- Dunlap, C R
NPS-EARG Drifting Buoy Studies
ONR Drifting WOTAN Workshop, Nat. Center for Atmos. Res., Boulder, Colo., Mar. 13-14, 1985.
- Dunlap, C R
Naval Postgraduate School environmental acoustic studies
CNO Conf. on Fleet Oceanography Training Requirements for ASW, CINCLANTFLT Headquarters, Norfolk, VA, Feb. 20-21, 1986.
- Dunlap, C R
Naval Postgraduate School vertical line array DIFAR (VLAD) Studies
Naval Air Systems Command VLAD Working Group Mtg.
Naval Air Development Center, Warminster, PA, Sept. 18-19, 1986.
- Dunlap, C R; Andersen, K
EARG Drifting Buoy Program
Arctic Buoy Conf., Fleet Numerical Oceanogr. Center, Monterey, Calif., May 30-31, 1985.
- Dunlap, C R; Andersen, K
Presentation of acoustic measurements of ambient sea noise during ocean storm
IAMAP/IAPSO Assembly, Honolulu, Hawaii, Aug. 5-16, 1985.
- Dunlap, C R; Browning, D G; Powell, J W
Shallow sound characteristics in the North Pacific: Causes, characteristics and durations
108th Mtg., Acoustical Soc. of Am., Minneapolis, Minn., Oct. 8-12, 1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- Dunlap, C R; Jung, G H; Leipper, D F
Depiction of year to year changes in Bering Sea surface
temperatures
AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.
- Dunlap, C R; Lipscombe, C D
Environmental effects on ASW modelling and wargaming
Use of Simulation, Models and Wargames for Training,
Naval Training Equipment Center, Orlando, Fla., Apr.
16-18, 1985.
- Dunlap, C R; Mahon, K; Raugust, S C
Near surface wind speed and measurements from an ocean
drifting buoy
Fall Annual Mtg., Am. Geophysical Union, San
Francisco, CA, Dec. 8-13, 1985.
- Gallacher, P C; Garwood, P W
Wind direction and equilibrium mixed layer depth:
General theory
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,
1985.
- Gallacher, P C; Garwood, R W
The interaction of planetary rotation and turbulent
vorticity in the upper ocean mixed layer at
mid-latitudes
5th Conf. on Ocean-Atmosphere Interaction of the Am.
Meteorological Soc., Miami, Fla., Jan., 1984.
- Gallacher, P C; Garwood, R W
Wind direction and mixed layer depth: Mid-latitude
simulations
Ocean Sciences Mtg., New Orleans, LA, Jan., 1986.
- Garrett, R P; Bourke, R H
Sea ice thickness distribution in the Arctic Ocean
Ice Penetration Technology Workshop, Monterey, CA,
June 16-19, 1986.
- Garwood, R W; Chu, P C
Thermodynamic feedback between summer monsoon and ocean
temperature and salinity
19th General Assembly of the IUGG, Vancouver, Canada,
August, 1987.
- Garwood, R W; Muller, P; Gallacher, P C
Wind direction and equilibrium mixed layer depth in the
Tropical Pacific
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,
1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- Guza, R T; Thornton, E B
Swash observations on natural beaches
AGU Mtg., San Francisco, Calif., Dec., 1984.
- Guza, R T; Thornton, E B; Holman, R
Swash on steep and shallow beaches
19th Int. Conf. of Coastal Eng., Houston, Tex., Sept.
3-7, 1984.
- Haderlie, E C
Possible mechanisms used by marine bivalves in
penetrating siliceous stone
6th Int. Cong. on Marine Corrosion and Fouling,
Athens, Greece, Sept., 1984.
- Itsweire, E C; Osborn, T R; Stanton, T P
Observations of temperature and salinity ramps in the
seasonal thermocline
3rd Symp. of Density Stratified Flows, Caltech, Feb.,
1987.
- Jones, B H; Stanton, T P; Mooers, C N K
Biological and chemical variability associated with a
cool filament off Northern California (OPTOMA 21)
AGU Fall Meeting, San Francisco, CA, December, 1986.
- Martens, D E; Thornton, E B
Nearshore zone monitoring system
Coastal Hydrodynamics, Newark, DE, June, 1987.
- McLaren, A S; Weaver, R; Bourke, R H
Digitization and statistical analysis of submarine
under-ice profiles
Ice Penetration Technology Workshop, Monterey, CA,
June 16-19, 1986.
- McManus, J J; Garwood, R W; Dunlap, C R
Coupled mixed layer - acoustic model
Ocean Sci. Mtg., New Orleans, LA, Jan. 13-17, 1986.
- McManus, J J; Garwood, R W; Dunlap, C R
Coupled mixed layer-acoustic model
Ocean Sciences Mtg., New Orleans, LA, Jan., 1986.
- Mooers, C N K; Breaker, L C
Several aspects of interannual variability in the
California current
9th Climate Diagnostics Workshop, Corvallis, Oregon,
Oct. 23, 1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- Mooers, C N K; Rienecker, M M
Data assimilation studies of the synoptic/mesoscale eddy field in the California current system
IAPSO/IAMAP Symp., Honolulu, Hawaii, Aug. 5-16, 1985.
- Mooers, C N K; Rienecker, M M; Batten, M; Johnson, J E
Synoptic/mesoscale variability in the California Current System with possible links to the Hawaiian Island Ridge
Pacific Congress on Marine Technology: PACON 86, Honolulu, HI, Mar. 24-28, 1986.
- Mueller, J L
Effects of water reflectance at 670 nm on Coastal Zone Color Scanner (CZCS) aerosol radiance estimates off the coast of Central California
SPIE Ocean Optics VII, Naval Postgraduate School, Monterey, Calif., June 25-27, 1984.
- Mueller, J L
Optical variability in the eastern North Pacific Ocean as measured by the Nimbus-7 Coastal Zone Color Scanner
Pacific Cong. on Marine Technol., Honolulu, Hawaii, Apr. 24-27, 1984.
- Nystuen, J A
Validation of satellite derived precipitation measurements in Canada
Intl. Workshop on Validation of Satellite Derived Precipitation Measurements, Washington, DC, November, 1986.
- Nystuen, J A; Farmer, D M
The sound generated by precipitation striking the ocean surface
Surface Mechanisms of Sound Generated in the Ocean, NATO Adv. Research Workshop, Lerici, Italy, June, 1987.
- Oltman-Shay, J; Guza, R T; Thornton, E B
Surf beat and edgewave modes resolved on a natural beach
AGU Mtg., San Francisco, Calif., Dec., 1985.
- Osborn, T R; Lueck, R G; Sullivan, T C
Diapycnal mixing in the central gyre
Hawaiian Winter Workshop, University of Hawaii - Manoa, Jan., 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

Paquette, R G; Bourke, R H; Newton, J L
Finestructure and double-diffusion in the East Greenland
polar front
Ocean Sciences Mtg. of the Am. Geophysical Union, New
Orleans, La., Jan. 23-27, 1984.

Ramp, S R
Observations of long-period motions on the continental
shelf north of warm core ring 82B
Am. Geophysical Union Sciences Mtg., New Orleans, LA,
Jan. 1986.

Ramp, S R
Preliminary results from the CTZ pilot studies: March
and June 1987
ONR Coastal Transition Zone Principal Investigators
Meeting, Corvallis, OR, September, 1987.

Rienecker, M M; Mooers, C N K; Feliks, Y
Dynamical forecast/hindcasts for OPTOMAl1
AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.

Semtner, A J
Modeling the dynamics of sea ice in ocean studies
Process Modeling for the World Ocean Circulation
Experiment, Canadian Inst. of Ocean Sciences, Jul
22-24, 1986.

Smith, D C
The behavior of isolated eddies in a regional mesoscale
numerical model
Spring Mtg., Am. Geophysical Union, Baltimore, MD,
Apr., 1986.

Stanton, T P
Internal wave forcing of the mixed layer during MILDEX
IAMAP/IAPSO Conf., Honolulu, Hawaii, Aug., 1985.

Stanton, T P
Mixed layer processes during MILDEX
Ocean Sciences Mtg, New Orleans, LA, Jan. 13-17,
1986.

Stanton, T P
High resolution acoustic doppler velocity profile
measurements
IUGG/TAMAP, Vancouver, Canada, August, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- Stanton, T P; McCann, M P
Horizontal variability in the mixed layer during MILDEX
AGU Fall Annual Mtg., San Francisco, CA, Dec. 9-13,
1985.
- Stanton, T P; Washburn, L
Velocity shear and thermohaline structure through an
upwelling filament
AGU Fall Meeting, San Francisco, CA, December, 1986.
- Swaykos, J W; Davidson, K L; Boyle, P A; Garwood, R W
Mixed layer results from MILDEX
AGU Fall Ann. Mtg., San Francisco, Calif., Dec.,
1984.
- Thornton, E B
Longshore sand transport distribution across surf zone
due to random waves
Soc. of Econ. Paleontologists and Mineralogists, San
Jose, Calif., Aug., 1984.
- Thornton, E B; Guza, R T
Longshore current generated by random waves
AGU Mtg., San Francisco, Calif., Dec., 1984.
- Thornton, E B; McGee, T; Tucker, S P; Burych, D M
Predicting erosion on the recessive Monterey Bay
shoreline
Coastal Sediments '87, New Orleans, LA, May, 1987.
- Thornton, E B; Sklavidis, A J; Lima Blanco, W; Burych, D M;
Tucker, S P; Puccini, D
Coastal erosion along southern Monterey Bay
West Coast Regional Coastal Design Conf., Oakland,
CA, Nov. 7-8, 1985.
- Thornton, E B; Wu, C -S; Guza, R T
Breaking wave design criteria
19th Int. Conf. of Coastal Eng., Houston, Tex., Sept.
3-7, 1984.
- Traganza, E D; Redalje, D G; Began, M; Garwood, R W
Dynamics and chemistry of chlorophyll blooms at
upwelling fronts
AGU Fall Ann. Mtg., San Francisco, Calif., Dec. 1984.
- Tucker, S P
Bioluminescence in ASW: Stimulation of organisms by
pressure change
Ocean Optics VII - Classified Sessions, Naval
Postgraduate School, Monterey, Calif., June 29, 1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

CONFERENCE PRESENTATIONS (cont'd)

- Washburn, L; Stanton, T P
Fine structure and mixing activity through an upwelling
filament
AGU Fall Meeting, San Francisco, CA, December, 1986.
- Whitford, D J; Thornton, E B
Measuring wind and wave forcing of longshore currents
during SUPERDUCK, a preliminary analysis
Coastal Hydrodynamics, Newark, DE, 1987.
- Wu, C -S
On the energy dissipation of breaking waves
ASCE Conf., Coastal Hydrodynamics '87, Newark, DE,
June, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY
CONTRIBUTIONS TO BOOKS

Haderlie, E C

A brief overview of the effects of fouling
IN Costlow and Tipper, eds.: Marine
biodeterioration, an interdisciplinary study,
Naval Inst. Press, Mar., 1984, p. 163-166.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY
PUBLISHED PAPERS

- Abdelrahman, S M; Thornton, E B
Changes in the short wave amplitude and wavenumber due
to the presence of infragravity waves
Coastal Hydrodynamics, Newark, DE, June, 1987.
IN Proc., ASCE, p. 458-478, (1987).
- Adamec, D D; Garwood, R W
The simulated response of an upper-ocean density front
to local atmospheric forcing
J. Geophys. Res., vol. 90, no. C1, p. 917-928, (Jan.,
1985).
- Aranavachapun, S; Thornton, E B
Spatial and temporal transformation of shallow water
waves
J. Geophys. Res., vol. 89, no. C4, p. 6453-6465,
(July, 1984).
- Arnone, R A; Tucker, S P; Hilder, F A
Secchi depth atlas of the world's coastlines
SPIE Ocean Optics VII, Naval Postgraduate School,
Monterey, Calif., June 25-28, 1984.
IN Proc., Int. Soc. for Optical Eng., SPIE, vol
489, p. 195-201, (1984).
- Bourke, R H; Garrett, R P
Spatial distributions of Arctic Sea ice
24th Mine Development Conf., Washington, D.C., May
14-16, 1985.
IN Proc., (1985).
- Bourke, R H; Garrett, R P
Sea ice thickness distribution in the Arctic Ocean
Cold Regions Science and Technology, vol. 13, p.
259-280, (1987).
- Bourke, R H; Newton, J L; Paquette, R G; Weigel, A M
Oceanographic observations of the Marginal Ice Zone in
Fram Strait
Ocean Sciences Mtg. of Am. Geophysical Union, New
Orleans, LA, Jan, 13-14, 1986.
IN EOS, Trans. Am. Geophys. Union 66(51), p. 1262,
(1985).
- Bourke, R H; Newton, J L; Paquette, R G; Tunncliffe, M D
Circulation and water masses of the East Greenland Shelf
J. of Geophysical Research, vol. 92(c7), p. 6729-6740
(June 1987).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Bourke, R H; Paquette, R G
Studies of the marginal ice zone along the East
Greenland coast
Naval Research Reviews, vol. 39, no. 1, p. 19-27,
(1987).
- Bourke, R H; Paquette, R G; Newton, J L; Tunnicliffe, M D
Oceanographic observations on the ice-covered Greenland
shelf
AGU Fall Mtg. San Francisco, Calif. Dec. 3-7, 1984.
IN EOS, vol. 65, no. 45, p. 936, (1984).
- Bourke, R H; Tunnicliffe, M D; Newton, J L; Paquette, R G;
Manley, T O
Eddy near the Molloy Deep revisited
J. of Geophysical Research, vol. 92(c7), p. 6773-6776
(June 1987).
- Bourke, R H; Tunnicliffe, M D; Paquette, R G; Newton, J L
Oceanographic observation on the Northeast Greenland
Shelf
Ocean Sciences Mtg. of Am. Geophysical Union, New
Orleans, LA, Jan. 13-14, 1986.
IN EOS, Trans. Am. Geophys. Union 66(51), p. 1262,
(1985).
- Breaker, L C; Lewis, P A W; Mooers, C N K
Detection of an approximate 46-day cycle in SST off
Central California Coast
AGU Fall Mtg. San Francisco, Calif., Dec., 1984.
IN EOS, (1984).
- Breaker, L C; McLain, D; Brainard, R
On the representativeness of coastal SSTs off Central
California Coast
AGU Fall Mtg. San Francisco, Calif., Dec., 1984.
IN EOS, (1984).
- Breaker, L C; Mueller, J L; Wash, C H
Satellite observed changes in sea surface temperature
and ocean color resulting from wind forces over the
California Current
AGU Ocean Sciences Mtg., New Orleans, LA, Jan. 13-17,
1986.
IN EOS Trans., AGU, vol. 66, no. 51, p. 1258,
(Dec. 17, 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Chu, P C
A possible air-ice-ocean coupled model for the formation of leads or polynyas
MIZEX Bulliten, vol. 7, p. 79-88, (March, 1986).
- Chu, P C
A seabreeze mechanism in the marginal ice zone
EOS, vol. 67, no. 44, p. 1006, (November, 1986).
- Chu, P C
An ice-air feedback mechanism for the migration in the marginal ice zone
MIZEX Bulliten, vol. 7, p. 54-64, (March, 1986).
- Chu, P C
An instability theory of ice-air interaction for the migration of the marginal ice zone
Geophysical J. of Royal Astronomical Soc., p. 863-883, (October, 1986).
- Chu, P C
An air-sea feedback mechanism for quasi-geostrophic water movement near a fast shelf-ice edge with a small curvature
Chinese J. of Atmospheric Sciences, vol. 11, no. 1, p. 32-42, (March, 1987).
- Chu, P C
An ice breeze mechanism for an ice divergence-convergence criterion in the marginal ice zone
J. of Physical Oceanography, vol. 17, no. 10, p. 1627-1632, (October, 1987).
- Chu, P C
An instability theory of ice-air interaction for the formation of ice edge bands
J. of Geophysical Research, vol. 92, no. C7, p. 6966-6970, (June, 1987).
- Chu, P C
Generation of unstable modes of the iceward attenuating swell by icebreeze
J. of Physical Oceanography, vol. 17, no. 6, p. 828-832, (June, 1987).
- Davidson, K L; Garwood, R W
Coupled oceanic and atmospheric mixed layer model
Dynamics of Atmospheres and Oceans, vol. 8, p. 783-796, (Nov., 1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Dunlap, C R
Bering Sea issues, status of analyses, plans
Operational Performance Improvement Program (OPIP)
Workshop, McLean, Va., Nov. 29-30, 1983.
IN Proc. Naval Electronics Systems Command, (PDE
124-60), p. 42-58, (Jan. 27, 1984).
- Dunlap, C R
NPS-EARG Drifting Buoy Studies
ONR Drifting WOTAN Workshop, Nat. Center for Atmos.
Res., Boulder, Colo., Mar. 13-14, 1985.
IN Drifting WOTAN Workshop Report, Nat. Center for
Atmos. Res., p. 15-16, (1985).
- Dunlap, C R; Andersen, K
Presentation of acoustic measurements of ambient sea
noise during ocean storm
IAMAP/IAPSO Assembly, Honolulu, Hawaii, Aug. 5-16,
1985.
IN IAMAP/IAPSO Abstracts, p. 38, (1985).
- Dunlap, C R; Browning, D G; Powell, J W
Shallow sound channels in the Pacific: Causes,
characteristics and durations
108th Mtg. of the Acoust. Soc. of Am., Minneapolis,
Minn., Oct. 8-12, 1984.
IN J. Acoust. Soc. Am., vol. 76, p. S84, (Fall,
1984).
- Dunlap, C R; Jung, G H; Leipper, D F
Depiction of year to year changes in Bering Sea surface
temperatures
AGU Fall Mtg., San Francisco, Calif., Dec. 3-7, 1984.
IN EOS, vol. 65, no. 45, p. 966, (Nov. 6, 1984).
- Dunlap, C R; Leipper, D F
A Bering Sea forecast from Oceanographic Monthly Summary
(OMS) data
Oceanogr. Mon. Summary, vol. 5, no. 3, p. 12-13,
(Mar., 1985).
- Dunlap, C R; Mahon, K; Raugust, S C
Near surface wind speed and measurements from an ocean
drifting buoy
Fall Annual Mtg., Am. Geophysical Union, San
Francisco, CA, Dec. 8-13, 1985.
IN EOS Trans. AGU, vol. 66, no. 46, p. 763-1156,
(Nov., 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Gallacher, P C; Garwood, P W
Wind direction and equilibrium mixed layer depth:
General theory
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,
1985.
IN Proc., IUGG, p. 58, (Aug., 1985).
- Garrett, R P; Bourke, R H
Sea ice thickness distribution in the Arctic Ocean
Ice Penetration Technology Workshop, Monterey, CA,
June 16-19, 1986.
IN Proc., 1986.
- Garwood, R W
Unsteady shallowing mixed layer
Proc. Aha Huliko'a, Hawaii Institute of Geophysics,
p. 119-129, (1987).
- Garwood, R W; Gallacher, P C; Muller, P.
Wind direction and equilibrium mixed layer depth:
General theory
J. of Phys. Oceanogr., vol. 15, no. 10, p. 1325-1331,
(Oct., 1985)
- Garwood, R W; Gallacher, P C; Muller, P
Reply to comments on wind direction and equilibrium
mixed layer depth
J. of Physical Oceanography, vol. 16, p. 171-172,
(January, 1987).
- Garwood, R W; Muller, P; Gallacher, P C
Wind direction and equilibrium mixed layer depth in the
Tropical Pacific
IAMAP/IAPSO Joint Assembly, Honolulu, Hawaii, Aug.,
1985.
IN Proc., IUGG, p. 122, (Aug., 1985).
- Garwood, R W; Muller, P; Gallacher, P C
A model for the equilibrium mixed layer depth in the
Tropical Pacific
Tropical Ocean-Atmosphere Newsletter, no. 30, p.
10-11, (Mar., 1985).
- Garwood, R W; Muller, P; Gallacher, P C
Wind direction and equilibrium mixed layer depth in the
tropical Pacific
J. of Phys. Oceanogr., vol. 15, no. 10, p. 1332-1338,
(Oct., 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Guza, R T; Thornton, E B
Observations of surf beat
J. Geophys. Res., vol. 89, no. C2, p. 3161-3172,
(Mar., 1985).
- Guza, R T; Thornton, E B
Velocity moments in nearshore
J. of Waterway, Port, Coastal and Ocean Eng., vol. 3,
no. 2, p. 235-256, (Mar., 1985).
- Guza, R T; Thornton, E B; Christensen, N C
Observations of steady longshore currents in the surf
zone
J. of Physical Oceanography, vol. 16, no. 11, p.
1959-1969, (November, 1986).
- Guza, R T; Thornton, E B; Holman, R
Swash on steep and shallow beaches
19th Int. Coastal Eng. Conf., Houston, Tex., Sept.,
1984.
IN Proc., ASCE, p. 708-723, (1985).
- Haderlie, E C
A report on the 6th International Congress on Marine
Corrosion and Fouling, Athens, Sept., 1984.
European Scientific Notes, (ONRL-ESN), 1984.
- Haderlie, E C
Possible mechanisms used by marine bivalves in
penetrating siliceous stone
6th Int. Cong. on Marine Corrosion and Fouling,
Athens, Greece, Sept., 1984.
IN Proc., Nat. Tech. Univ. of Athens, (1985).
- Hochevar, A R; Bourke, R H; Henrick, RF
Topographic signal stripping in the Norwegian Sea
U.S. Naval J. of Underwater Acoustics, vol. 35, no.
4, p. 443-454, (1985).
- Holland, W R; Batteen, M
The parameterization of subgrid scale heat diffusion in
eddy-resolved ocean circulation models
J. of Physical Oceanogr., vol. 16, no. 1, p. 200-206,
(Jan., 1986).
- Lueck, R G; Osborn, T R
Turbulence measurements in a submarine canyon
Continental Shelf Res., vol. 4, p. 681-698, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Martens, D E; Thornton, E B
Nearshore zone monitoring system
Coastal Hydrodynamics, Newark, DE, June, 1987.
IN Proc., ASCE, p. 579-588, (1987).
- McManus, J J; Garwood, R W; Dunlap, C R
Coupled mixed layer - acoustic model
Ocean Sci. Mtg., New Orleans, LA, Jan. 13-17, 1986.
IN EOS Trans. AGU, vol. 66, no. 51, p. 1227-1352,
(Dec., 1985).
- Mettlach, T R; Haney, R L; Garwood, R W; Ghan, S J
The response of the upper ocean to a large summertime
injection of smoke in the atmosphere
J. of Geophysical Research, vol. 92, no. C2, p.
1967-1974, (February, 1987).
- Mooers, C N K; Breaker, L C
Several aspects of interannual variability in the
California current
9th Climate Diagnostics Workshop, Corvallis, Oregon,
Oct. 23, 1984.
IN Proc., (1984).
- Moum, J N; Lueck, R G
Causes and implications of noise in oceanic dissipation
measurements
Deep-Sea Res., vol. 32, p. 379-390, (1985).
- Mueller, J L
Effects of water reflectance at 670 nm on Coastal Zone
Color Scanner (CZCS) aerosol radiance estimates off the
coast of Central California
SPIE Ocean Optics VII, Naval Postgraduate School,
Monterey, Calif., June 25-27, 1984
IN Proc., SPIE, vol 489, p. 179-186, (1984).
- Mueller, J L
Optical variability in the eastern North Pacific Ocean
as measured by the Nimbus-7 Coastal Zone Color Scanner
Pacific Cong. on Marine Technol., Honolulu, Hawaii,
Apr. 24-27, 1984.
IN Proc., 2 p., (Apr., 1984).
- Mueller, J L
Nimbus-7 CZCS: Confirmation of its radiometric decay
rate through 1982
Appl. Optics, vol. 24, p. 1043-1047, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Muller, P; Garwood, R W; Garner, J P
Effect of vertical advection on the dynamics of the
oceanic surface mixed layer
Annales Geophysicae, vol. 2, no. 4, p. 387-398,
(Nov., 1984).
- Nystuen, J A
Validation of satellite derived precipitation
measurements in Canada
Intl. Workshop on Validation of Satellite Derived
Precipitation Measurements, Washington, DC, November,
1986.
IN Proc., WMO, (1987).
- Nystuen, J A; Farmer, D M
The influence of wind on the underwater sound generated
by light rain
J. of Acoustical Soc. of America, vol. 82, no. 1, p.
270-274, (July, 1987).
- Osborn, T R; Lueck, R G
Turbulence measurements from a submarine
J. of Phys. Oceanogr., vol. 15, p. 1501-1520, (1985).
- Osborn, T R; Lueck, R G; Sullivan, T C
Diapycnal mixing in the central gyre
Hawaiian Winter Workshop, University of Hawaii -
Manoa, Jan., 1985.
IN Proc., (1985).
- Paquette, R G; Bourke, R H; Newton, J L; Perdue, W F
The East Greenland polar front in autumn
J. Geophys. Res., vol. 90, no. C3, p. 4866-4882,
(May, 1985).
- Rienecker, M M; Mooers, C N K; Hagan, D E; Robinson, A R
A cool anomaly off Northern California: An
investigation using IR imagery and in situ data
J. Geophys. Res. -- Oceans, vol. 90, p. 4807-4818,
(1985).
- Robinson, A R; Carton, J A; Mooers, C N K; Walstad, L J;
Carter, E F; Rienecker, M M; Smith, J A; Leslie, W G
A real-time dynamical forecast of ocean synoptic
mesoscale eddies
Nature, vol. 309, no. 5971, p. 781-783, (June, 1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Semtner, A J
A numerical study of sea ice and ocean circulation in the Arctic
J. of Physical Oceanography, vol. 17, p. 1077-1099, (August, 1987).
- Smith, D C
A numerical study of loop current eddy interaction with topography in the western Gulf of Mexico
J. of Physical Oceanogr., vol. 16, no. 7, p. 1260-1272, (Jul., 1986).
- Smith, D C
The behavior of isolated eddies in a regional mesoscale numerical model
Spring Mtg., Am. Geophysical Union, Baltimore, MD, Apr. 1986.
IN EOS, AGU, p. 293, (Apr., 1986).
- Smith, D C; Bird, A A
A numerical study of isolated eddy interaction with a marginal ice zone
American Geophysical Union Fall Meeting, San Francisco, CA, December 1986.
IN Proc., AGU, (1986).
- Swaykos, J W; Davidson, K L; Boyle, P A; Garwood, R W
Mixed layer results from MILDDEX
AGU Fall Ann. Mtg., San Francisco, Calif., Dec., 1984.
IN EOS, vol. 65, p. 942, (1984).
- Thornton, E B; Guza, R T
Surf zone longshore currents and random waves: Field data and models
J. of Phys. Oceanogr., vol. 16, no. 7, p. 1165-1178, (July, 1986).
- Thornton, E B; McGee, T; Tucker, S P; Burych, D M
Predicting erosion on the recessive Monterey Bay shoreline
ASCE Conf., Coastal Sediments '87, May, 1987.
IN Coastal Sediments '87, ASCE, p. 1809-1824, (1987).
- Thornton, E B; Sklavidis, A J; Lima Blanco, W; Burych, D M; Tucker, S P; Puccini, D
Coastal erosion along southern Monterey Bay
West Coast Regional Coastal Design Conf., Oakland, CA, Nov. 7-8, 1985.
IN Proc., West Coast Regional Coastal Design Conf., U.S. Army Engineering Waterways Experiment Station, p. 390-401, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Thornton, E B; Wu, C -S; Guza, R T
Breaking wave design criteria
19th Int. Coastal Eng. Conf., Houston, Tex., Sept.,
1984.
IN Proc., ASCE, p. 31-41, (1985).
- Traganza, E D; Redalje, D G; Began, M; Garwood, R W
Dynamics and chemistry of chlorophyll blooms at
upwelling fronts
AGU Fall Ann. Mtg., San Francisco, Calif., Dec. 1984.
IN EOS, vol. 65, p. 958, (1984).
- Traganza, E D; Redalje, D G; Garwood, R W
Chemical flux and upwelling fronts in the California
coastal zone
Continental Shelf Research, vol. 7, p. 89-105,
(1987).
- Whitford, D J; Thornton, E B
Measuring wind and wave forcing of longshore currents
during SUPERDUCK, a preliminary analysis
Coastal Hydrodynamics, Newark, DE, 1987.
IN Proc., ASCE, p. 589-602, (1987).
- Wu, C -S; Liu, P L
Finite element modeling of coastal currents
J. of Waterway, Port, Coastal and Ocean Eng., vol.
111, no. 2, p. 417-432, (Mar., 1985).
- Wu, C -S; Thornton, E B
Wave number of linear water waves
J. of Waterways, Port, Coastal and Ocean Eng., vol.
112, no. 4, p. 536-540, (July, 1986).
- Wu, C -S; Thornton, E B
Wave numbers of linear progressive waves
J. of Waterways, Port Coastal and Ocean Engineering,
vol. 112, no. 4, p. 536-540, (July, 1986).
- Wu, C -S; Thornton, E B
Wavenumber of linear water waves
J. of Waterway, Port, Coastal and Ocean Division,
vol. 112, no. 4, p. 536-540, (July, 1986).
- Wu, C -S; Thornton, E B
3-d model of Bathymetric response to structures,
discussion
J. of the Waterway, Port, Coastal and Ocean
Division-American Society of Civil Engineers, vol. 12,
no. 5, p. 543-546, (November, 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

PUBLISHED PAPERS

(cont'd)

- Wu, C -S; Thornton, E B
3-d model of Bathymetric response to structures,
discussion
J. of the Waterway, Port, Coastal and Ocean
Division-American Study of Civil Engineers, vol. 12,
no. 5, p. 543-546, (November, 1986).
- Wu, C -S; Thornton, E B; Gill, M J
Modeling of sediment transport in the vicinity of
structure
J. of Waterway, Port, Coastal and Ocean Division,
vol. 113, no. 4, p. 543-546, (September, 1987).
- Wu, C -S; Thornton, E B; Guza, R T
Waves and longshore currents: Comparison of numerical
model with field data
J. Geophys. Res., vol. 90, no. C3, p. 4951-4958,
(May, 1985).
- Yamazaki, H; Herbich, J B
Determination of wave height spectrum by means of a
joint probability density function
J. Geophys. Res., vol. 90, no. C2, p. 3381-3390,
(Mar., 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY
TECHNICAL REPORTS AND NOTES

- Betts, G E; Bourke, R H; Schaefer, G E
A comprehensive compilation of Northwestern Greenland
Sea bathymetry
Prepared for Arctic Submarine Lab. Naval
Postgraduate School, (NPS-68-85-024), Sept., 1985.
- Bird, A A; Koob, R J; Wickham, J B; Mooers, C N K
Hydrographic data from the slope waters off Central
California: Final report from 26 November 1978 to 26
June 1980
Prepared for Minerals Management Service, Dept. of
the Interior, Los Angeles, Calif. Naval Postgraduate
School, (NPS-68-84-010), July, 1984. 88 p.
- Bird, A A; Wickham, J B; Bottero, J S; Pittock, G;
Smith, R L; Mooers, C N K
Current meter data from the slope waters off Central
California: Final report from 25 July 1978 to 1 June
1980
Prepared for Minerals Management Service, Dept. of
the Interior, Los Angeles, Calif. Naval Postgraduate
School, (NPS-68-84-012), Aug., 1984. 324 p.
- Bourke, R H
Preliminary results of the oceanographic cruise of USCGC
NORTHWIND to the Greenland Sea, August-September 1984
Prepared for Arctic Submarine Lab. Naval
Postgraduate School, (NPS-68-84-019), Dec., 1984.
- Bourke, R H
Preliminary results of the oceanographic cruise of CCGS
SIR JOHN FRANKLIN to Baffin Bay and Nares Strait,
September 1986
Sponsored by Arctic Submarine Laboratory, San Diego,
CA. Naval Postgraduate School, (NPS-68-86-010),
Nov., 1986. 14 p.
- Bourke, R H; Paquette, R G
MIZLANT 81 data report: Results of an oceanographic
cruise to the Greenland Sea, October - November 1981
Prepared for Arctic Submarine Lab. Naval
Postgraduate School, (NPS-68-85-020), Aug., 1985.
- Bourke, R H; Paquette, R G
MIZLANT 84 data report: Results of an oceanographic
cruise to the Greenland Sea, August - September 1984
Prepared for Arctic Submarine Lab. Naval
Postgraduate School, (NPS-68-85-018), June, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES (cont'd)

Bourke, R H; Paquette, R G; Weigel, A M
Results of an oceanographic cruise to the Greenland Sea,
September 1985
Sponsored by Arctic Submarine Laboratory. Naval
Postgraduate School, (NPS-68-86-007), Sept., 1986.

Breaker, L C
A note on processing sea level data
Sponsored by Office of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-68-86-005), Aug. 1,
1986.

Breaker, L C; Arveson, J C; Frydenland, D; Myers, J S;
Short, L K
Sea surface and remotely sensed temperatures off Cape
Mendocino, California
Nat. Aeron. and Space Administration, (NASA Tech.
Memo. 86712), Sept., 1985. 26 p.

Breaker, L C; Lewis, P A W
On the detection of a 40 to 50 day oscillation in sea
surface temperature along the Central California Coast
Naval Postgraduate School, (NPS-55-85-025), Sept.,
1985. 14 p.

Ciandro, M L; Wittman, P S; Bird, A A; Mooers, C N K
Hydrographic data from the OPTOMA program, OPTOMA20, 16
March - 6 May, 1986
Sponsored by Office of Naval Res. Naval Postgraduate
School, (NPS-68-86-008), Nov., 1986. 183 p.

Ciandro, M L; Wittmann, P A; Bird, A A; Mooers, C N K
Hydrographic data from the OPTOMA program, 27 July - 5
August, 1986
Sponsored by Office of Naval Res. Naval Postgraduate
School, (NPS-68-86-012), Dec., 1986. 48 p.

Colton, M C; Rienecker, M M; Wittman, P A; Kelley, E A;
Mooers, C N K
Hydrographic data from the OPTOMA Program, OPTOMA3, 10
February, 1983
Prepared for Office of Naval Res., (Code 420),
Arlington, Va. Naval Postgraduate School,
(NPS-68-85-002), Jan., 1985. 24 p.

Eagle, J N; Jung, G H; Wilson, O B
A brief study of problems relevant to acoustics in
shallow water ASW scenarios
Prepared for Naval Research Lab., Washington, D.C.
Naval Postgraduate School, (NPS-61-84-003), Jan.,
1984. 20 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES (cont'd)

- Garrett, R P; Bourke, R H
Temporal and spatial distributions of Arctic Sea ice
thickness and pressure ridging statistics
Prepared for Naval Surface Weapons Center, Silver
Spring, Md. Naval Postgraduate School,
(NPS-68-85-009), Mar., 1985.
- Jennings, K E; Dunlap, C R; Rowe, N C
Design guidelines for a rule based passive surveillance
system.
Sponsored by Space and Naval Warfare Systems, Naval
Postgraduate School, (NPS-52-86-020), Sept., 1986.
50 p.
- Lovelace, R M; Dunlap, C R; Bourke, R H
Comparison of narrow-band and one-third octave ambient
noise measurements
Prepared for Space and Naval Warfare Systems Command
(SPAWAR 6124), Washington, D.C. Naval Postgraduate
School, (NPS-68-85-019), June, 1985.
- Murray, C W; Mueller, J L; Zgwally, H J
Matrix partitioning and EOF/principal component analysis
of antarctic sea ice brightness temperatures
N.A.S.A. Goddard Space Flight Ctr., (NASA-TM-83916),
Apr., 1984. 46 p.
- Paquette, R G; Bourke, R H; Newton, J L; Perdue, W F
The East Greenland polar front in autumn
Prepared for Arctic Submarine Lab. Naval
Postgraduate School, (NPS-68-85-021), June, 1985.
- Rienecker, M M; Mooers, C N K; Colton, M C; Wittmann, P A
Hydrographic data from the OPTOMA program, OPTOMA1, Mar.
8-13, 1982
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-68-84-005), Apr.,
1984. 31 p.
- Rienecker, M M; Mooers, C N K; Colton, M C; Wittmann, P A
Hydrographic data from the OPTOMA program, OPTOMA2, Legs
I and II, July 31 - Aug. 14, 1982
Prepared for Chief of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-68-84-002), Mar.,
1984. 65 p.
- Rienecker, M M; Wittman, P A; Kelley, E A; Colton, M C;
Mooers, C N K
Hydrographic data from the OPTOMA Program, OPTOMA4, Legs
I and II, 26 March - 10 April, 1983
Prepared for Office of Naval Res., (Code 420),
Arlington, Va. Naval Postgraduate School,
(NPS-68-85-001), Jan., 1985. 69 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES (cont'd)

- Schacher, G E; Stanton, T P
Mean flow and turbulence in complex terrain
NPS/Vandenberg measurement system
Prepared for USAF Space Div., (Code SD/CFA), Los
Angeles, Calif., Naval Postgraduate School,
(NPS-61-83-005), Mar., 1984. 118 p.
- Sleichter, W T; Bourke, R H; Paquette, R G
Modeling acoustic propagation across the East Greenland
polar front
Prepared for Arctic Submarine Lab. Naval
Postgraduate School, (NPS-68-84-018), Dec. 1984.
- Stockel, J A; Mueller, J L; Pak, H; Menzies, D
Data from the Optical Dynamics Experiment (ODEX), R/V
Acacia expedition of 10 Oct thru 17 Nov 1982: Vol. 1:
CTD and OPTICS profiles
Sponsored by Office of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-68-86-013), Dec. 30,
1986. 271 p.
- Tunnicliffe, M D; Bourke, R H; Paquette, R G
An investigation of the waters of the East Greenland
current
Prepared for Arctic Submarine Lab. Naval
Postgraduate School, (NPS-68-85-025), Sept., 1985.
- Weigel, A M; Bourke, R H; Paquette, R G
Mesoscale variability in the West Spitsbergen Current
and adjacent waters of the Greenland Sea
Sponsored by Arctic Submarine Lab., San Diego, CA,
Naval Postgraduate School, (NPS-68-87-002), Dec.,
1986.
- Williams, F R; Renard, R J; Jung, G H; Tomkins, R D;
Picard, R R
Forecaster's handbook for the Southern African Continent
and Atlantic/Indian Ocean transit
Sponsored by Naval Air Systems Command, Washington,
D.C. Naval Environmental Prediction Res. Facility,
(NEPRF-TR-84-08), 1985. 325 p.
- Wittman, P A; Mooers, C N K
Hydrographic data from the OPTOMA program, OPTOMA19,
8-13 February, 1986
Sponsored by Office of Naval Res. Naval Postgraduate
School, (NPS-68-86-003), May, 1986. 40 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES (cont'd)

- Wittman, P A; Rienecker, M M; Kelley, E A; Mooers, C N K
Hydrographic data from the OPTOMA Program, OPTOMA7,
17-20 November, 1983
Prepared for Office of Naval Res., (Code 420),
Arlington, Va. Naval Postgraduate School,
(NPS-68-85-005), Jan., 1985. 26 p.
- Wittman, P A; Rienecker, M M; Kelley, E A; Mooers, C N K
Hydrographic data from the OPTOMA Program, OPTOMA6, 1-5
October, 1983
Prepared for Office of Naval Res., (Code 420),
Arlington, Va. Naval Postgraduate School,
(NPS-68-85-004), Jan., 1985. 31 p.
- Wittman, P A; Rienecker, M M; Kelley, E A; Mooers, C N K
Hydrographic data from the OPTOMA Program, OPTOMA5, Legs
D, AI, AII, and AIII, 12 June - 20 July, 1983
Prepared for Office of Naval Res., (Code 420),
Arlington, Va. Naval Postgraduate School,
(NPS-68-85-003), Jan., 1985. 99 p.
- Wittmann, P A; Colton, M C; Rendine, JJ; Mooers, C N K
Hydrographic data from the OPTOMA program, OPTOMA18, 31
October and 2 November 1985
Sponsored by Office of Naval Res. Naval Postgraduate
School, (NPS-68-86-001), Dec., 1985. 48 p.
- Wittmann, P A; Rienecker, M M; Kelley, E A; Mooers, C N K
Hydrographic data from the OPTOMA Program, OPTOMA9,
20-25 February, 1984; OPTOMASF, 3-4 March 1984;
OPTOMA10, 23-24 April 1984
Prepared for Office of Naval Res., (Code 420),
Arlington, Va. Naval Postgraduate School,
(NPS-68-85-007), Feb., 1985. 60 p.
- Wittmann, P A; Rienecker, M M; Kelley, E A; Mooers, C N K
Hydrographic data from the OPTOMA Program, OPTOMA11, 5
June - 5 August 1984
Prepared for Office of Naval Res., (Code 420),
Arlington, Va. Naval Postgraduate School,
(NPS-68-85-008), Mar., 1985. 208 p.
- Wittmann, P A; Rienecker, M M; Kelley, E A; Mooers, C N K
Hydrographic data from the OPTOMA Program, OPTOMA8, 10
and 15 December, 1983
Prepared for Office of Naval Res., (Code 420),
Arlington, Va. Naval Postgraduate School,
(NPS-68-85-006), Feb., 1985. 29 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OCEANOGRAPHY

TECHNICAL REPORTS AND NOTES (cont'd)

Yoon, S W; Dunlap, C R; Bradfield-Smith, W L
Preliminary investigation of optimum frequency for sound
propagation in shallow sound channels
Space and Naval Warfare Systems Command, Washington,
D.C. Naval Postgraduate School, (NPS-68-85-22),
Aug., 1985. 106 p.

Yoon, S W; Dunlap, C R; Bradfield-Smith, W L
Preliminary investigation of optimum frequency for sound
propagation in shallow sound channels
Space and Naval Warfare Systems Command, Washington,
DC. Naval Postgraduate School, (NPS-68-86-002),
July, 1986. 106 p.

**DEPARTMENT
OF
OPERATIONS RESEARCH**

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
CONFERENCE PRESENTATIONS

- Al-Zayani, A; Gaver, D P; Richards, F R
Formulation and analysis of combat logistic problems
Joint Natl. Meeting TIMS/ORSA, New Orleans, LA, May,
1987.
- Barr, D R
The T&E endgame: New directions
Int. Test and Evaluation Asso., Monterey, CA, Sept.
18, 1986.
- Bradley, G H
Capital budgeting in the telephone industry
ATIMS CPMS 15th Ann. Summer Workshop, Reston, VA,
September, 1987.
- Breaker, L C; Lewis, P A W; Mooers, C N K
Detection of an approximate 46-day cycle in SST off
Central California Coast
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
- Brown, G G
Mathematical programming systems: Where do we go from
here?
TIMS/ORSA, Dallas, Tex., Nov. 27, 1984.
- Brown, G G
Perspectives on optimization
New Zealand Operations Research Soc., Wellington, New
Zealand, August, 1987.
- Brown, G G
Tutorial: An optimization-based system for guiding
disaster relief
ORSA/TIMS, New Orleans, LA, May, 1987.
- Brown, G G; Ellis, C; Graves, G; Ronen, D
Wide area dispatch of Mobil's tank trucks
1986 Manage. Sci. Achievement Award Competition, Los
Angeles, CA, Apr. 13 1986.
- Brown, G G; McBride, R; Wood, K
Extracting embedded generalized network problems from
general LP problems
TIMS/ORSA, San Francisco, Calif., May 14, 1984.
- Brown, G G; McBride, R D; Wood, K
Computational methods in the projective linear
programming algorithm
ORSA/TIMS Joint Nat. Mtg., Los Angeles, CA, Nov. 4-6,
1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

- Brown, G G; Rosenthal, R E; Staniec, C
Shipment planning with multi-commodity optimization
TIMS/ORSA, Dallas, Tex., Nov. 28, 1984.
- Brown, G G; Staniec, C; Wood, K
Solving the multicommodity transshipment problem
ORSA/TIMS, New Orleans, LA, May, 1987.
- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J;
Strawser, P R; Tekampe, R C; Watson, R J
Performance evaluation of a database system in multiple
backend configurations
4th Int. Workshop on Database Machines, Newport,
Great Bahama Island, Mar., 1985.
- Eagle, J N
Estimating the probability of a diffusing target
encountering a stationary sensor searcher
Naval Postgraduate School Oper. Res. Dept. Seminar,
Monterey, CA, Oct. 9, 1985.
- Eagle, J N
Estimating the probability of a diffusing target
encountering a stationary sensor
Operations Res. Soc. of Am., Los Angeles, CA, Apr.
15, 1986.
- Esary, J D
Reliability and maintainability at the Naval
Postgraduate School
55th Symp., Military Operations Research Society,
Montgomery, AL, May, 1987.
- Gaver, D P; Coffman, E G
Buffers and mailboxes
SIAM Conf., Paris, France, July, 1987.
- Gaver, D P; Harris, B
A statistical overview of PRA methodology
147th Ann. Mtg. of the American Statistical Assoc.,
San Francisco, CA, August, 1987.
- Gaver, D P; Jacobs, P A
Statistical estimation of the probability of long
queueing delay
Joint Nat. Mtg., ORSA/TIMS, Atlanta, GA, Nov., 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

- Gaver, D P; Jacobs, P A
On influence and transient response for M/G/1 models
Int. Seminar on Teletraffic Analysis and Computer
Performance Evaluation, Amsterdam, Holland, June,
1986.
- Ignizio, J P
Multiplex models and GP
Western Am. Inst. for Decision Sciences, Monterey,
Calif., Mar. 16, 1985.
- Ingber, L
Statistical mechanics algorithm for response to targets
(SMART)
Workshop on Uncertainty and Probability in Artificial
Intelligence, UCLA, Los Angeles, CA, Aug. 14-16,
1985.
- Ingber, L
Applications of biological intelligence to command,
control and communications
Computer Simulation in Brain Science, Copenhagen,
Denmark, Aug. 20-22, 1986.
- Ingber, L
Nonlinear nonequilibrium statistical mechanics approach
to c3 systems
9th MIT/ONR Workshop on C3 Systems, Naval
Postgraduate School, Monterey, CA, June 2 - 5, 1986.
- Ingber, L
Nonlinear nonequilibrium statistical mechanics approach
to c
9th MIT/ONR Workshop on C-3 Systems, Naval
Postgraduate School, Monterey, CA, December, 1986.
- Ingber, L
Riemannian contributions to velocity-dependent
nucleon-nucleon interaction
Spring Mtg. of the Am. Phys. Soc., Washington, DC,
Apr. 28 - May 1, 1986.
- Ingber, L
Statistical mechanics of neocortical interactions
Spring Mtg. of the Am. Phys. Soc., Washington, DC,
Apr. 28 - May 1, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
CONFERENCE PRESENTATIONS (cont'd)

- Ingber, L
Statistical mechanics application of biological intelligence
1987 Symp. on C3 Research, National Defense Univ., June, 1987.
- Ingber, L
Statistical mechanics of mesoscales in neocortex and in C3 systems
Sixth Intl. Conf. on Mathematical Modelling, St. Louis, MO, August, 1987.
- Jacobs, P A; Gaver, D P
On estimating measures of performance for queues and survival models
16th Conf. on Stochastic Processes and Their Applications, Stanford Univ., CA, August, 1987.
- Jacobs, P A; Thomas, L C; Gaver, D P
Inspection policies for deteriorating units with symptomatic emission
16th Conf. on Stochastic Processes and Their Applications, Stanford Univ., CA, August, 1987.
- Larson, H J
How much is enough?
Naval Res. Advisory Comm. Panel on Evaluation of OT & E Requirements and Facilities, Naval Postgraduate School, Monterey, Calif., July 9, 1984.
- Larson, H J
CEMS IV OAP algorithm
Spectroscopic Oil Analysis Technology Conf., Palm Beach Gardens, March, 1987.
- Lewis, P A W
Algorithms for generating non-normal stochastic processes
Computer Science/Statistics Interface, Philadelphia, PA, March, 1987.
- Lewis, P A W
Smarter control variables
IMSL Mathematical/Statistics Seminar, Houston, TX, May, 1987.
- Lewis, P A W
Smarter control variables
Computer Science Seminar, Yorktown Heights, NY, April, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

- Lewis, P A W
SIMTBED: A portable graphical output analysis program
for simulation
Gregynog Birmingham/Wales Universities Ann. Conf.,
Gregynog, Scotland, April, 1987.
- Lewis, P A W
SIMTBED: A portable graphical output analysis program
for simulation
NSF Special Seminar, Washington, DC, March, 1987.
- Lewis, P A W
SIMTBED: A portable graphical output analysis program
for simulation
Mathematics Seminar, Univ. of Strathclyde, Scotland,
May, 1987.
- Lewis, P A W
Variance reduction using conditional expectation and the
beta-gamma transform
London Universities Seminar, London, England, April,
1987.
- Lewis, P A W
Variance reduction using conditional expectation and the
beta-gamma transform
ORSA National Meeting, New Orleans, LA, May, 1987.
- Lindsay, G F
Effectiveness measurements for an intelligence system
52nd MORS, Ft. Leavenworth, Kans., Sept., 1984.
- Lindsay, G F
Alternative approaches to multiple criteria decision
problems
55th Military Operations Research Symp., Montgomery,
AL, May, 1987.
- McCullers, W T; Wood, K
Factoring and decomposition for probabilistic analysis
of fault trees
3rd SIAM Conf. on Discrete Mathematics, Clemson, SC,
May 14-16, 1986.
- Mensh, D R; Sweet, R; Cooper, A W; Sovereign, M G
Applications of modular command and control evaluation
structure for integrating electro-optics technology into
Navy battle groups
Conf. on Military Applications of
Electro-Acoustic-Optic (EAO) Technology, Naval
Training Center, Orlando, FL, Apr. 1-4, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

- Parry, S H
Network methodology for the AirLand Research Model
54th Military Operations Res. Symp., Ft. McNair,
Washington, DC. June 24, 1986.
- Parry, S H
Combat scoring systems: Summary of MORS workshop
findings
TIMS/ORSA Joint National Meeting, New Orleans, LA,
May, 1987.
- Parry, S H
Future state decision making in airland combat models
55th Military Operations Research Symp., Maxwell AFB,
Alabama, May, 1987.
- Parry, S H; Hartman, J K; Schoenstadt, A
Airland research model
52nd Military Operations Research Symposium, Ft.
Leavenworth, KS, July, 1984.
- Poock, G K
Experimental evidence about what factors influence
recognizer performance
Toward robustness in speech recognition, Santa
Barbara, Calif., Nov., 1984.
- Poock, G K
A statistical analyses of retinal blood vessel pattern
parameters
Biometrics Conf., Sandia Labs, Albuquerque, NM, 1986.
- Poock, G K
An overview of the technology and applications of
automatic speech recognition and synthesis in the U.S.
and other countries
Human Factors Soc. Ann. Conf., Dayton, OH, October,
1986.
- Poock, G K
Computer speech recognition: Past, present, future
Computer Technology Conf., American Speech Language
Hearing Association, Houston, TX, February, 1987.
- Poock, G K; Blackstone, S W
Speech I/O: An overview of applications in augmentative
communication
AVIOS '86 Voice I/O Systems Applications Conf.,
Alexandria, VA, Sept., 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

- Poock, G K; Woodard, J; Crane, C
Full day workshop on speech recognition
Am. Voice Input/Output Soc. Ann. Conf., Washington,
D.C., Sept., 1984.
- Richards, F R
A survey of multi-echelon inventory models
Multi-echelon Inventory Systems, Naval Postgraduate
School, Monterey, Calif., Mar. 12-13, 1984.
- Rockower, E B
Reliability in a random environment
ORSA/TIMS Joint National Meeting, New Orleans, LA,
May, 1987.
- Rosenthal, R E
Representing inverses in pure network optimization
ORSA/TIMS Joint Nat. Mtg., Atlanta, GA, Nov. 4-6,
1985.
- Rosenthal, R E
An implicit/explicit approach to multiobjective
optimization with an application to forest management
planning
Canadian Operations Res. Soc., Toronto, Canada, June
2-4, 1986.
- Rosenthal, R E
Using an algebraic modeling language (GAMS) for the
formulation, solution, and analysis of optimization
problems
University of Michigan, September, 1987.
- Taylor, J G
Soviet theory of troop control
4th Annual FTD/NPS C3 Workshop, Naval Postgraduate
School, Monterey, CA, Oct. 8-10, 1985.
- Taylor, J G
Lanchester-type models: Subsequent developments
Military Conflict Inst. Workshop on the Basic Nature
of Lanchester/Lanchester-Like Equations, NASA-CALTECH
Jet Propulsion Laboratories, Pasadena, CA, Aug.
15-17, 1986.
- Taylor, J G
Soviet theory of troop control: The Soviet view of
command and control
54th Military Operations Res. Symp., National Defense
Univ., Washington, DC, June 26, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
CONFERENCE PRESENTATIONS (cont'd)

- Taylor, J G
Soviet theory of troop control: Soviet
conceptualization of command and control
Fifth Ann. FTD/NPS C3 Workshop, Wright-Patterson AFB,
December, 1986.
- Taylor, J G
Soviet air-defense concepts
ITEAMS Meeting, Huntsville, AL, June, 1987.
- Washburn, A R
A dynamic search game
23rd Gregynog Statistical Conf., Gregynog, Wales,
April, 1987.
- Washburn, A R
Dynamic search games
Scottish and Northumbrian Accademic Statistical
Meeting, Aberdeen, Scotland, May, 1987.
- Washburn, A R
On symmetry in modeling
Operational Research Group of Scotland, Univ. of
Edinburgh, London, England, December, 1987.
- Wood, K
The complexity of extracting embedded structures from
linear programs
ORSA/TIMS Joint Natl. Meeting, Miami, FL, October,
1986.
- Wood, K; Brown, G G; Goodman, C
Annual Scheduling of surface combatants at the U.S.
Atlantic Fleet
ORSA/TIMS, Miami, FL, Oct. 27, 1986.
- Wood, K; Brown, G G; Staniec, C J
Solving the multicommodity flows problem
TIMS/ORSA Joint National Meeting, New Orleans, LA,
May, 1987.
- Wood, K; DeWolfe, D
Optimal allocation of selective reenlistment bonuses in
the U.S. Marine Corps
ORSA/TIMS Joint National Meeting, Miami, FL, October,
1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

CONFERENCE PRESENTATIONS (cont'd)

Wood, K; Lewis, P A W; Ressler, R
Smarter control variables: Regression adjusted linear
and nonlinear controls
1987 Winter Simulation Conf., Atlanta, GA, December,
1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
CONTRIBUTIONS TO BOOKS

- Bradley, G H
Cognitive science view of software engineering
IN N. E. Gibbs and R. E. Fairley, eds.: Software
Engineering Education, New York, NY, Springer-Verlag,
1987, p. 35-51.
- Gaver, D P; Jacobs, P A
Data analysis and modeling of Arctic Sea ice subsurface
roughness: A summary in statistical signal processing
IN E. J. Wegman and J. G. Smith, eds.:
Statistical signal processing; New York, N. Y.,
M. Dekker, 1984, p. 199-210.
- Gaver, D P; Lehoczky, J P
Statistical inference for random parameter markov
population process models
IN E. Gelfand, ed.: Contributions to the Theory and
Application of Statistics, New York, NY, Academic
Press, 1987, p. 75-99.
- Hughes, W P
Fleet tactics : Theory and practice
Naval Inst. Press, Nov., 1986. 314 p.
- Ignizio, J P
Introduction to Linear goal programming
Sage Publication, (Quantitative Applications in the
Social Sciences, no. 56), 1985. 100+ p.
- Washburn, A R
Search theory
IN Golden Developments in Operational Research, by L.
C. Thomas, Washington, DC, Pergamon Press, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
PUBLISHED PAPERS

- Barr, D R
Application of the combined distribution method for
measuring minuteman accuracy (discussion)
IN Proc. of the 54th Military Operations Res.
Symp., (June, 1986).
- Barr, D R
Use of computers in teaching statistics (invited paper)
IN Proc. of the 2nd Int. Conf. on Teaching
Statistics, (Aug., 1986).
- Breaker, L C; Lewis, P A W; Mooers, C N K
Detection of an approximate 46-day cycle in SST off
Central California Coast
AGU Fall Mtg., San Francisco, Calif., Dec., 1984.
IN EOS, (1984).
- Brown, G G; Ellis, C; Graves, G; Ronen, D
Real-time, wide area dispatch of mobil tank trucks
Interfaces, vol. 17, no. 1, p. 107-120, (1987).
- Brown, G G; Graves, G; Honczaranko, M
Design and operation of a multicommodity
production/distribution system using primal goal
decomposition
Management Science, vol. 33, no. 11, (November,
1987).
- Brown, G G; Graves, G; Ronen, D
Scheduling ocean transportation of crude oil
Management Science, vol. 33, no. 3, p. 335-346,
(1987).
- Brown, G G; McBride, R
Solving generalized networks
Manage. Sci., vol. 30, p. 1497-1523, (1984).
- Brown, G G; Shubert, B C
On random binary trees
Math of Operations Res., vol. 9, p. 43-65, (1984).
- Brown, G G; Wright, W
Automatic identification of embedded network rows in
large-scale optimization models
Math. Programming, vol. 29, p. 41-56, (1984).
- Chopeng, P; Puakpong, P; Rosenthal, R E
Optimal ship routing and personnel assignment for naval
recruitment in Thailand
Interfaces, vol. 16, no. 4, p. 47-52, (Jul.-Aug.,
1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS

(cont'd)

- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J;
Strawser, P R; Tekampe, R C; Watson, R J
Performance evaluation of a database system in multiple
backend configurations
4th Int. Workshop on Database Machines, Newport,
Great Bahama Island, Mar., 1985.
IN Proc., Micro-electronic and Computer Technology
Corp., (1985).
- Eagle, J N; Pedersen, J; Marshak, W; Villedrouin, J P
An overview of non-superpower submarine forces
Nav. Scientific Tech. Intelligence Rev., (Feb.,
1984).
- Eagle, J N; Pedersen, J; Villedrouin, J P
The French Fleet Ballistic Missile Force
Nav. Scientific Tech. Intelligence Rev., 6 p., (May,
1984).
- Gaver, D P; Jacobs, P A
On influence and transient response for M/G/1 models
Int. Seminar on Teletraffic analysis and Computer
Performance Evaluation, Amsterdam, Holland, June,
1986.
IN Teletraffic Analysis and Computer Performance
Evaluation, Elsevier Sci. Pub., B.V.
(North-Holland), p. 163-170. (1986).
- Gaver, D P; Kafadar, K
A retrievable recipe for inverse t
Am. Statistician, (Nov., 1984).
- Gaver, D P; Lehoczky, J P
Statistical analysis of hierarchical stochastic models:
Examples and approaches
Annals of Operations Research, vol. 8, p. 217-227,
(1987).
- Gaver, D P; O'Muircheartaigh
Robust empirical bayes analysis of event rates
Technometrics, vol. 29, p. 1-15, February, 1987.
- Gilbert, K C; Holmes, D D; Rosenthal, R E
A multiobjective discrete optimization model for land
allocation
Manage. Sci., vol. 13, no. 12, p. 1509-1522, (Dec.,
1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS

(cont'd)

- Harrison, T P; Rosenthal, R E
A multiobjective optimization approach for scheduling
timber harvest on nonindustrial private forestlands
TIM Studies in the Management Sciences, vol. 21, p.
269-283, (1986).
- Hartman, J K; Parry, S H; Schoenstadt, A L
Airland research model
IN Proc., 52nd MORS, (1984).
- Hughes, W P
Naval tactics and their influence on strategy
Naval War College Rev., vol. 34, no. 1, (Jan.-Feb.,
1986).
- Ignizio, J P
Multiplex models and GP
Western Am. Inst. for Decision Sciences, Monterey,
Calif., Mar. 16, 1985.
IN Proc., Western AIDS, p. 267-269, (Mar. 1985).
- Ignizio, J. P.
A generalized goal programming approach to minimal
interference, multicriteria NXI scheduling
Inst. of Ind. Eng. Trans., vol. 16, no. 4, p.
316-322, (1984).
- Ignizio, J. P.
An algorithm for solving the linear goal programming
problem by solving its dual
J. of Operational Res. Soc., vol. 36, no. 6, p.
507-515, (1985).
- Ignizio, J. P.
Integer goal programming via goal aggregation
Large Scale Systems, vol. 8, p. 81-86, (1985).
- Ingber, L
Towards clinical applications of statistical mechanics
of neocortical interactions
Innovation et Technologie en Biologie et Medicine,
vol. 6, no. 6, p. 735-758, (1985).
- Ingber, L
Nonlinear nonequilibrium statistical mechanics approach
to c3 systems
9th MIT/ONR Workshop on C3 Systems, Naval
Postgraduate School, Monterey, CA, June 2-5, 1986.
IN Proc., MIT, 22 p. (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS

(cont'd)

- Ingber, L
Nonlinear nonequilibrium statistical mechanics approach
to C
9th MIT/ONR Workshop on C-3 Systems, Monterey, CA,
December, 1986.
IN Proc., MIT/ONR Workshop, (1986).
- Ingber, L
Statistical Mechanics Algorithm for Response to Targets
(SMART)
Workshop on Uncertainty and Probability in Artificial
Intelligence, UCLA, Los Angeles, CA, Aug. 14-16,
1985.
IN Proc., AAAI-RCA, p. 258-264, (1986).
- Ingber, L
Noise-induced extreme in time-dependent Ginsburg-Landau
system
Mathematical Modelling, vol, 7, p. 525-528, (1986).
- Ingber, L
Noise-reduced extrema in time-dependent Ginzburg-Landau
systems
Mathematical Modeling, vol. 7, p. 525-528, (1986).
- Ingber, L
Riemannian contributions to short ranged
velocity-dependent nucleon-nucleon interactions
Physical Review D, vol. 33, p. 3781-3784, (1986).
- Ingber, L
Riemannian contributions to short-ranged
velocity-dependent nucleon-nucleon interactions
Phys. Rev., vol. 33, p. 3781-3784, (1986).
- Ingber, L
Riemannian contributions to velocity-dependent
nucleon-nucleon interaction
Spring Mtg. of the Am. Phys. Soc., Washington, DC,
Apr. 28 - May 1, 1986.
IN Bull. Am. Phys. Soc., AIP, p. 869, (1986).
- Ingber, L
Statistical mechanics of neocortical interactions
Spring Mtg. of the Am. Phys. Soc., Washington, DC,
Apr. 28 - May 1, 1986.
IN Bull., Am. Phys. Soc., AIP, p. 868, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS

(cont'd)

- Jacobs, P A
First passage times for combinations of random loads
SIAM J. Applied Mathematics, vol. 46, no. 4, p.
643-656, (Aug., 1986).
- Jacobs, P A; Thomas, L C; Gaver, D P
Optimal inspection policies for standby systems
Communications in Statistics, Stochastic Models, vol.
3, p. 259-273, (1987).
- Latouche, G; Jacobs, P A; Gaver, D P
Finite marker chains skip-free in one direction
Nav. Res. Logistics Q., vol. 31, p. 571-580, (1984).
- Lewis, P A W; Lawrance, A J
Higher order residual analysis for nonlinear time series
with autoregressive correlation structure
Intl. Statistical Review, vol. 55, p. 21-35, (1987).
- Mazumdar, M; Gaver, D P
On the computation of power generating system
reliability indices
Technometrics, p. 173-185, (1984).
- Poock, G K
Experimental evidence about what factors influence
recognizer performance
Toward robustness in speech recognition, Santa
Barbara, Calif., Nov., 1984.
IN Proc., (1984).
- Poock, G K
A longitudinal study of five year old speech reference
patterns
J. of the Am. Voice I/O Soc. vol. 3, p. 13-18, (June,
1986).
- Poock, G K; Blackstone, S W
Speech I/O: An overview of applications in augmentative
communication
AVIOS'86 Voice of I/O Systems Applications Conf.,
Alexandria, VA, Sept., 1986.
IN Proc., American Voice I/O Soc., (Sept., 1986).
- Poock, G K; Woodard, J; Crane, C
Full day workshop on speech recognition
Am. Voice Input/Output Soc. Ann. Conf., Washington,
D.C., Sept., 1984.
IN Proc., Getting started in voice, (1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS

(cont'd)

- Read, R R
Remote monitoring of the calibration of a system of tracking arrays
IEEE J. of Oceanic Engineering, vol. OE-12, no. 1, January, 1987.
- Rockower, E B
Laser beam-quality/aperture shape sealing relation
Applied Optics, vol. 25, no. 9, 1394-1397, (May, 1986).
- Rockower, E B;
A relativistic mass tensor with geometric interpretation
- Rosenthal, R E
Representing inverse in pure network optimization
European J. of Operational Res., vol. 23, no. 3, p. 356-366, (Mar., 1986).
- Rosenthal, R E
Review of the GAMS/MINOS modeling language and optimization program
ORM/MS Today, vol. 13, no. 3, p. 24-32, (June, 1986).
- Satyanarayana; Wood, K
A linear-time algorithm for computing K-terminal reliability in series-paralled graphs
SIAM J. on Computing, vol. 14, no. 4, p. 818-832, (Nov., 1985).
- Shreve, S; Lehoczky, J P; Gaver, D P
Optimal consumption for general diffusions with absorbing 2 reflecting barriers
SIAM J. on Control Optimization, vol. 22, p. 55-75, (1984).
- Sovereign, M G; Stewart, J S
Experimental gaming for command control and communications
LIDS-R-1624, p. 7, (Dec., 1986)
- Washburn, A R
Test and evaluation education at NPS
The ITEA J. of Test and Evaluation, vol. 6, p. 32-33, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

PUBLISHED PAPERS

(cont'd)

Washburn, A R; Daly, P H
Comments on Accuracy and tactical implications of
bearings-only ranging algorithms
Operations Research, vol. 33, p. 104-106, (1985).

Wood, K
Factoring Algorithms for computing K-terminal network
reliability
IEEE Trans. on Reliability , vol. R-35, no. 3, p.
269-278, (Aug., 1986)

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES

- Andrus, A F
Review and recommendations for Tactical Information
Management System II proposed development
Sponsored by Chief of Naval Operations OP-953. Naval
Postgraduate School, (NPS-55-86-019), Oct., 1986.
- Andrus, A F
Review and recommendations for TIMS II proposed
development
Sponsored by Chief of Naval Operations, Washington,
DC. Naval Postgraduate School, (NPS-55-86-019),
Oct., 1986. 24 p.
- Andrus, A F; Shudde, R H
Computer Aided Stationing Tool (CAST) Preliminary
Technical evaluation
Sponsored by CNO OP-953: Director of Tactical
Readiness. Naval Postgraduate School,
(NPS-55-85-027), Nov., 1985. 29 p.
- Barr, D R
Information technology in the U. K.
IN Office of Naval Res., London: European
Scientific Notes, (ESN-38-1), Jan., 1984, p.
60.
- Barr, D R
New decision support system
IN Office of Naval Res., London: European
Scientific Notes, (ESN-38-1), Jan., 1984, p.
41-42.
- Barr, D R
Organization of research in Norway
IN Office of Naval Res., London: European
Scientific Notes, (ESN-38-3), Mar., 1984, p.
152-153.
- Barr, D R
Statistics research at small German universities
IN Office of Naval Res., London: European
Scientific Notes, (ESN-38-2), Feb., 1984, p.
110-112.
- Barr, D R
Storm and current prediction at IOS Bidston
IN Office of Naval Res., London: European
Scientific Notes, (ESN-38-4), Apr., 1984, p.
199-202.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

- Barr, D R
The Norwegian Computing Center
IN Office of Naval Res., London: European
Scientific Notes, (ESN-38-3), Mar., 1984, p.
157-159.
- Barr, D R
Statistics and operations research in Europe - 1983:
Summary report
Office of Naval Res., London, (ONRL-R-3-84), Jan. 5,
1984. 11 p.
- Barr, D R; Hayden, B
Statistical climatology
IN Office of Naval Res., London: European
Scientific Notes, (ESN-38-1), Jan., 1984, p.
8-12.
- Barr, D R; King, R
Data analysis plan for Light Armored Vehicle Phase III
testing
Sponsored by Advanced Technology, Inc. ATI Technical
Report, Dec., 1985. 21 p.
- Barr, D R; Richards, F R
A literature review for evaluating Directed Energy
Weapon Systems Operations Research, Inc., Alexandria,
Virginia
Sponsored by ORI Res. Report, Contract DA
AL02-85-D0089, Dec., 1985. 26 p.
- Barr, D R; Richards, F R
Light Armored Vehicle follow-on operational test and
evaluation: Report on Phase II (statistical report,
Annex F)
Sponsored by Advanced Technology Inc. ATI Test
Report, Jan., 1986. 37 p.
- Boger, D C; Washburn, A R
Notes from the Stockpile Seminar
Naval Postgraduate School, (NPS-55-85-014), Aug.,
1985. 36 p.
- Breaker, L C; Lewis, P A W
On the detection of a 40 to 50 day oscillation in sea
surface temperature along the Central California Coast
Naval Postgraduate School, (NPS-55-85-025), Sept.,
1985. 14 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

- Brown, G G; McBride, K; Wood, K
Extracting embedded generalized networks from linear programming problems
Naval Postgraduate School, (NPS-55-84-020), Sept., 1984. 22 p.
- Brown, G G; McBride, R; Wood, K
Extracting embedded generalized networks from linear programming problems
Naval Postgraduate School, (NPS-55-84-020), Sept., 1984. 22 p.
- Demurjian, S A; Hsiao, D K; Kerr, D S; Menon, J; Strawser, P R; Tekampe, R C; Watson, R J
Performance evaluation of a database system in multiple backend configurations
Prepared for Chief of Naval Res. Arlington, Va.
Naval Postgraduate School, (NPS-52-84-019), Oct., 1984.
- Demurjian, S A; Hsiao, D K; Strawser, P R
Design analysis and performance evaluation methodologies for database computers
Sponsored by Office of Naval Res. and DOD STARS Program. Naval Postgraduate School, (NPS-52-85-009), June, 1985. 117 p.
- Eagle, J N
The approximate solution of a simple constrained search path moving target problem using moving horizon policies
Prepared for Strategic Systems Project Office, Arlington, Va. Naval Postgraduate School, (NPS-55-84-009), May, 1984. 10 p.
- Eagle, J N
A partial evaluation of the Integrated Tactical Decision Aid (ITDA) System
Prepared for Naval Air Development Center, Warminster, PA. Naval Postgraduate School, (NPS-55-86-026), Dec., 1986. 20 p.
- Eagle, J N
SUBSUB - a submarine engagement model
Sponsored by Naval War College, Newport, RI. Naval Postgraduate School, (NPS-55-86-005), Mar., 1986. 26 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Eagle, J N; Jung, G H; Wilson, O B
A brief study of problems relevant to acoustics in shallow water ASW scenarios
Prepared for Naval Research Lab., Washington, D.C.
Naval Postgraduate School, (NPS-61-84-003), Jan., 1984. 20 p.
- Eldor, H
Kinematics/detection model for a naval seminar game
Sponsored by Naval War College, Newport, RI. Naval Postgraduate School, (NPS-55-86-020), Oct. 1986. 114 p.
- Esary, J D; Wilson, O B
Ann. summary report, range studies program
Naval Postgraduate School, Monterey, CA, (NPS-6185-001PR), October, 1984.
- Esary, J D; Wilson, O B
Ann. summary report, range studies program
Naval Postgraduate School, Monterey, CA, (NPS-61-003-PR), October, 1985.
- Esary, J D; Wilson, O B
Annual Summary Report, Range Studies Program
Sponsored by Naval Postgraduate School, Monterey, CA. (NPS-61-870-002PR), November, 1986.
- Esary, J D; Wilson, O B; Marimon, R L; Uber, B
Review of interactions between the Naval Postgraduate School and the Naval Undersea Warfare Engineering Station
Sponsored by Naval Postgraduate School, Monterey, CA. (NPS-61-86-01PR), June, 1986.
- Forrest, R N
An analysis of three post launch evasion strategies
Prepared for Strategic Systems Project Office, Arlington, Va. Naval Postgraduate School, (NPS-71-84-001), June, 1984. 21 p.
- Forrest, R N
An analysis of three post launch evasion strategies
Prepared for Strategic Systems Project Office, Arlington, Va. Naval Postgraduate School, (NPS-71-84-001 (Revised)), Jan., 1985. 21 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Forrest, R N
Passive acoustic detection models and the Naval Warfare
Gaming System
Prepared for Naval War College, Newport, R. I. Naval
Postgraduate School, (NPS-55-85-007), Apr., 1985. 43
p.
- Forrest, R N
An active acoustic detection model
Sponsored by Naval War College. Naval Postgraduate
School, (NPS-55-86-024), Dec., 1986. 25 p.
- Forrest, R N
An analysis of some ASW related tactical decision aid
models
Prepared for Naval Air Development Center,
Warminster, PA. Naval Postgraduate School,
(NPS-71-86-001), Feb., 1986. 25 p.
- Gaver, D P; Jacobs, P A
On inference and transient response for M/G/1 models
Naval Postgraduate School, (NPS-55-86-006), Mar.,
1986. 16 p.
- Gaver, D P; Jacobs, P A; Latouche, G
The normal approximation and queue control for response
times in a processor-shared computer system model
Prepared for Office of Naval Res. Arlington, Va.
Naval Postgraduate School, (NPS-55-84-001), Feb.,
1984. 17 p.
- Gaver, D P; Jacobs, P A; O'Muircheartaigh; Meldrum, A
Problems of identification
Sponsored by Nat. Security Agency and Office of Naval
Res. Naval Postgraduate School, (NPS-55-86-021),
Nov., 1986. 42 p.
- Gaver, D P; O'Muircheartaigh
Robust empirical Bayes analysis of event rates
Naval Postgraduate School, (NPS-55-86-007), Mar.,
1986. 53 p.
- Gaver, D P; O'Muircheartaigh, I
Prediction of polytomous events: Model description,
algorithm development and methodological aspects, with
an application
Naval Postgraduate School, Monterey, CA,
(NPS-87-010), 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Harrison, T P; Rosenthal, R E
An implicit/explicit approach to multiobjective
optimization with an application to forest management
planning
Naval Postgraduate School, (NPS-55-86-012), June,
1986. 36 p.
- Howard, G T; Barr, D R
Evaluation of GRE data- An Experiment at NPS
Sponsored by: Naval Postgraduate School, Monterey,
CA, (NPS 55-87-008), August, 1987. 63 p.
- Hughes, W P
Ground combat modelling incorporating the combined
effects of attrition movement and suppression
Sponsored by Operations Analysis Branch, Ministry of
Defense, July, 1987.
- Hughes, W P; Larson, J A
The Falklands wargame
Sponsored by U.S Army Concepts Analysis Agency.
(CAA-SR-86-21), Oct., 1986. 67 p.
- Jacobs, P A
First passage times for combinations of random loads
Prepared for Office of Naval Res., Arlington, Va. and
Nat. Sci. Foundation, Washington, D.C. Naval
Postgraduate School, (NPS-55-85-002), Feb., 1985. 39
p.
- Kang, K; Schmeiser, B W
Properties of batch means from stationary ARMA time
series
Naval Postgraduate School, (NPS-55-86-004), Feb.,
1986. 10 p.
- Lewis, P A
Graphical analysis of some pseudo-random number
generators
Naval Postgraduate School, (NPS-55-86-025), Dec.,
1986. 17 p.
- Lewis, P A; McKenzie, E; Hugus, D K
Gamma processes
Sponsored by Office of Naval Res. Naval Postgraduate
School, (NPS-55-86-002), Jan., 1986. 35 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH
TECHNICAL REPORTS AND NOTES (cont'd)

- Lewis, P A W
Use of color in differentiating factor levels in
simulation output: Preliminary report
Prepared for Office of Naval Research, Arlington, VA.
Naval Postgraduate School, (NPS-55-86-001), Jan.,
1986. 10 p.
- Lindsay, G F
An examination of the USMC Combat Active Replacement
Factor (CARF) Determination System
Naval Postgraduate School, (NPS-55-85-005), Feb.,
1985. 57 p.
- Lindsay, G F
Statistical aspects of the F/A-18 AGE Exploration
Program
Sponsored by Naval Air Rework Facility, North Island,
San Diego, CA. Naval Postgraduate School,
(NPS-55-86-023), Nov., 1986. 50 p.
- Lindsay, G F
Statistical aspects of the F/A-18 age exploration
program
Sponsored by Naval Postgraduate School, Monterey, CA.
(NPS-55-86-023), 1986.
- McMasters, A W
Wholesale provisioning models: Model evaluation
Sponsored by Fleet Material Support Office,
Mechanicsburg, PA. Naval Postgraduate School,
(NPS-55-86-011), May, 1986. 118 p.
- O'Muircheartaigh, I; Gaver, D P
Prediction of polytomous events: Model description,
algorithm development and methodological aspects, with an
application
Sponsored by Naval Postgraduate School, Monterey, CA.
(NPS-55-87-010), September, 1987.
- Poock, G K; Martin, B J
Effects of emotional and perceptual motor stress on a
voice recognition system's accuracy
Prepared for Naval Electronics Systems Command,
Washington, D.C. Naval Postgraduate School,
(NPS-55-84-002), Feb., 1984. 80 p.
- Poock, G K; Roland, E F
A feasibility study for integrating voice
recognition/input into the Integrated Information
Display System (IID)
Naval Postgraduate School, (NPS-55-84-008), Mar.,
1984. 76 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Read, R R
A primer in APL: Lab support for OA3101-2-3-4
Naval Postgraduate School, (NPS-55-84-031), 1984.
224 p.
- Rockower, E B
Integral identities for random variables
Sponsored by Space and Naval Warfare Systems Command,
Washington, DC: Naval Postgraduate School,
(NPS-55-86-017), Oct., 1986. 21 p.
- Rockower, E B
Reliability in a random environment
Sponsored by Space and Naval Warfare Systems Command,
Washington, DC: Naval Postgraduate School,
(NPS-55-86-018), Oct., 1986. 25 p.
- Rosenthal, R E; Choypeng, P; Puakpong, P
Optimal ship routing and personnel assignment for naval
recruitment in Thailand
Naval Postgraduate School, (NPS-55-84-017), Aug.,
1984. 15 p.
- Schoenstadt, A; Parry, S H
Toward a axiomatic generalized value system
Sponsored by U. S. Army TRADOC Systems Analysis
Agency. Naval Postgraduate School, (NPS-53-86-008),
May, 1986. 24 p.
- Shudde, R H
Fleet Mission Program Library operating instructions for
the Sharp PC-1500A computer
Navy Tactical Support Activity, (NTSA FPL40-7),
Sept., 1984. 73 p.
- Shudde, R H
Some Sharp PC-1500A computer navigation programs for the
Fleet Mission Program Library
Prepared for Office of Naval Res., Arlington, Va.
Naval Postgraduate School, (NPS-55-84-018), Sept.,
1984.
- Shudde, R H
Some tactical algorithms for spherical geometry
Sponsored by Naval Air Development Center,
Warminster, PA. Naval Postgraduate School,
(NPS-55-86-008), Mar., 1986. 30 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

- Taylor, J G
Initial examination of cybernetic concepts in Soviet
military affairs
Sponsored by Foreign Technology Division, U.S. Air
Force Systems Command. Naval Postgraduate School,
Dec. 31, 1985. 162 p.
- Taylor, J G
Initial examination of Soviet concepts for the control
of military systems
Sponsored by
Command-Control-and-Communications-Counter-Measures
Joint Test force. Naval Postgraduate School, Sept.
30, 1986. 97 p.
- Thomas, L C; Jacobs, P A; Gaver, D P
Inspection policies for stand-by systems
Prepared for Office of Naval Res. Arlington, Va.
Naval Postgraduate School, (NPS-55-84-004), Mar.,
1984. 52 p.
- Washburn, A R
Deterministic graphical games
Naval Postgraduate School, (NPS-55-86-010), May,
1986. 13 p.
- Washburn, A R; Boger, D C
Notes from the Stockpile Seminar
Sponsored by Naval Postgraduate School, Monterey, CA.
(NPS-55-85-014), October, 1985.
- Washburn, A R; Shubert, B O
Naval Minefield simulation program for microcomputers
Naval Postgraduate School, (NPS55-84-023), November,
1984.
- Weiman, K; Hughes, W J; Ignizio, J P
An algorithm for selecting transducer element array
positions
Sponsored by Applied Research E/F and Naval Sea
Systems Command, Washington, D.C. Applied Research
Labs, Penn State, (Tech. rep.), 1985. 147 p.
- Wilson, O B; Esary, J D
Annual summary report of the Range Studies Program
Sponsored by Naval Undersea Warfare Engineering
Station. Naval Postgraduate School,
(NPS-61-86-003PR), Oct., 1985. 23 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF OPERATIONS RESEARCH

TECHNICAL REPORTS AND NOTES (cont'd)

Wilson, O B; Esary, J D
Ann. summary report, range design studies
Sponsored by Naval Postgraduate School, Monterey, CA.
(NPS-61-870-002PR), November, 1986.

DEPARTMENT
OF
PHYSICS

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS
CONFERENCE PRESENTATIONS

- Atchley, A A
General criteria for the activation of cavitation nuclei
Conf. for Ultrasonics in BioPhysics and
Bioengineering, Champaign-Urbana, IL, May, 1987.
- Atchley, A A; Frizzell, L A; Apfel, R E
Thresholds for cavitation produced in water by pulsed
ultrasound
112th Meeting of the Acoustical Society of America,
Anaheim, CA, December, 1986.
- Atchley, A A; Properetti, A
Nucleation of acoustic cavitation from a gas-filled
crevice
111th Mtg. of the Acoust. Soc. of Am., Cleveland, OH,
May, 1986.
- Baker, S R; Rudnick, I
Measurement of the biot structured factor delta for
sintered bronze spheres
110th Mtg. of the Acoust. Soc. of Am., Nashville, TN,
Nov., 1985.
- Baker, S R; Rudnick, I
Measurement of the biot structural factor delta for
sintered bronze spheres
1985 IEEE Ultrasonics Symp., San Francisco, CA, Oct.,
1985.
- Baker, S R; Rudnick, I
The effect of finite phonon and roton mean free paths on
the attenuation of fourth sound in a He-II filled porous
solid
110th Mtg. of the Acoust. Soc. of Am., Nashville, TN,
Nov., 1985.
- Beck, D H; Maruyama, X; 33 others
Elastic electron scattering from 3H and 3He at low Q
Particle and Nuclear Interface Conference, Tokyo,
Japan, 1987.
- Bluhm, H; Bohnel, K; Genuario, R; Hoppe, P; Karow, H U;
Ratajczak, W; Rush, D; Schwirzke, F R
Plasma opening switch experiments at the pulsed power
generators Pollux and Kalif
5th Int. Conf. on High Power Particle Beams, Kobe,
Japan, June, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS (cont'd)

- Boyle, P J; Davidson, K L; Schacher, G E
Evaluation of an integrated mixed layer model for single
station prediction in a marine regime
Newscasting -II Symp., Norrkoping, Sweden, Sept. 3-7,
1984.
- Brekke, B; Wilson, O B
A modified time delay spectrometry method for underwater
acoustic measurements
Acoust. Soc. Am. Mtg., Austin, Tex., Apr., 1985.
- Buskirk, F R; Neighbours, J R
Cerenkov radiation in the neighborhood of the emission
threshold
Ann. Propagation Phys. Review of DARPA and Army,
Navy, Air Force, Naval Postgraduate School, Monterey,
Calif., June 18-22, 1984.
- Buskirk, F R; Neighbours, J R; Maruyama, X K
Radiation produced by the modulated beam of a free
electron laser
Int. Conf. on Free Electron Lasers, Glasgow,
Scotland, Sept., 1986.
- Crooker, C M; Garrett, S L
Fringe counting demodulator for fiber optic
interferometric sensors
112th Meeting of the Acoustical Society of America,
Anaheim, CA, December, 1986.
- Crooker, C M; Garrett, S L
Fringe rate demodulator for fiber optic interferometric
sensors
Fiber Optic and Laser Sensors V, San Diego, CA,
August, 1987.
- Davidson, K L; Fairall, C W
Optical properties of the marine atmospheric boundary
layer: Aerosol profiles
SPIE, Ocean Optics VIII, Orlando, FL, Mar. 31 - Apr.
1, 1986.
- Dow, K A; Bates Tritium Collaboration; Maruyama, X
Deep-inelastic electron scattering from ^3H and ^3He
Am. Physical Soc., Crystal City, VA, April, 1987.
- Edwards, T; Horton, K G; Redman, D; Rosa, J M; Rubin, J B;
Yoon, S W; Powers, J P; Netzer, D W
Measurement of particulates in solid propellant motors
23rd JANNAF Combustion Meeting, Hampton, VA, October,
1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS (cont'd)

- Gardner, D L; Garrett, S L
Fiber optic seismic sensor
Fiber Optic and Laser Sensors V, San Diego, CA,
August, 1987.
- Gardner, D L; Yarber, R K; Carome, E F; Garrett, S L
A fiber-optic interferometric geophone
112th Meeting of the Acoustical Society of America,
Anaheim, CA, December, 1986.
- Gardner, D L; Yarber, R K; Carome, E F; Garrett, S L
Fiber-optic interferometric geophone with hydrophone
applications
Sixth Intl. conf. on Integrated Optics and Optical
Fiber communications, Reno, NV, January, 1987.
- Garrett, S L
Detuning/dephasing instabilities in acoustic levitation
and Rayleigh disk systems
109th Mtg. of the Acoustical Soc. of Am., Austin,
Tex., April 8-12, 1985.
- Garrett, S L
Fiber optic acoustic sensors
Orange County Chapter of the Acoustical Soc. of
America, Irvine, CA, February, 1987.
- Garrett, S L
Fiber optic seismic sensors for battlefield surveillance
14th Meeting of NATO AC/243, Panel III Research Study
Group II, Albuquerque, NM, October, 1986.
- Garrett, S L; Gardner, D L; Yarber, R K; Crooker, C M;
Newmaster, J T; Brininstool, M R; Carome, E F
Toward an entirely fiber optical compact directional
hydrophone system
Integrated Undersea Surveillance System (IUSS)
Technical Review, San Diego, CA, February, 1987.
- Garrett, S L; Hofler, T; Atchley, A A
Space Thermo-Acoustic Refrigerator (STAR)
Navy Annual Space Test Program (STP) Call for
Experiments Conf., Monterey, CA, March, 1987.
- Garrett, S L; Swift, G W
Resonant reciprocity calibration of an ultracompliant
transducer
112th Meeting of the Acoustical Society of America,
Anaheim, CA, December 1986.
- Glass, N E
A perturbation theory for optical reflectance with
surface-polariton excitation on a birefracting
Am. Phys. Soc. General Mtg., Las Vegas, NV, Mar. 31 -
Apr. 4, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS (cont'd)

- Glass, N E; Maradudin, A A; Wirgin, A
Grating and a bigrating
Int. Laser Science Conf., Dallas, TX, Nov., 1985.
- Harrison, D E; Jakas, M M
Inelastic energy losses in cascade and atom ejection
IBA 7 '85, Berlin, F. R. G., 1985.
- Harrison, D E; Jakas, M M
Simulation of the atomic collision cascade
REI 3 '85, Guilford, U. K., 1985.
- Johnson, M B; Garrett, S L
Reciprocity calibration in a compliant cylindrical tube
110th Mtg. of the Acoust. Soc. of Am., Nashville, TN,
Nov. 7, 1985.
- Maruyama, X; Fiorito, R B; Rule, D W
Optical transition radiation as a real-time, on-line
diagnostic for free electron laser systems
9th Intl. Free Electron Laser Conf., Williamsburg,
VA, 1987.
- Mensh, D R; Sweet, R; Cooper, A W; Sovereign, M G
Applications of modular command and control evaluation
structure for integrating electro-optics technology into
Navy battle groups
Conf. on Military Applications of
Electro-Acoustic-Optic (EAO) Technology, Naval
Training Center, Orlando, FL, Apr. 1-4, 1986.
- Morgan, M A; Fisher, D; Milne, E A
Microcomputer computation of electromagnetic scattering
by stratified anisotropic materials
2nd Ann. Rev. of Progress in Appl. Computational
Electromagnetics, Naval Postgraduate School, Mar.
18-20, 1986.
- Neighbours, J; Buskirk, F R; Maruyama, X
Threshold Cerenkov radiation and beam diagnostics
1987 Particle Accelerator Conf., Washington, DC,
March, 1987.
- Newmaster, J T; Brininstool, M R; Hofler, T; Garrett, S L
Remote fiber optic sensors for angular orientation
Fiber Optic and Laser Sensors V, San Diego, CA,
August, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS (cont'd)

- Nichols, R H
VLF ambient ocean noise vs. wind and waves
12th Int. Cong. on Acoustics, Toronto, Canada, July
24-31, 1986.
- Olsen, R C
Ion beam experiments at high altitudes
Fall meeting of the American Geophysical Union, San
Francisco, CA, December, 1986.
- Roy, R A; Atchley, A A; Crum, L A; Fowlkes, J B;
Reilly, J J
A precise technique for the measurement of acoustic
cavitation thresholds and some preliminary results
J. Acoust. Soc. Am., vol. 78, no. 5, (Nov., 1985).
- Rule, D W; Fiorito, R B; Ladish, J S; Caldwell, S E;
Iverson, S E; Maruyama, X
Emittance characterization of beams using transition
radiation
Ann. SDIO/DARPA/Services Propagation Review,
Monterey, CA, Sept., 1987.
- Sanders, J V; Coppens, A B
Propagation of sound in a fluid wedge overlying a fast
bottom
108th Mtg., Acoust. Soc. Am., Minneapolis, Minn.,
Oct. 8-12, 1984.
- Schacher, G E
Assessing diffusion in complex terrain
S & EPS Workshop on Atmospheric Transport and
Diffusion Modeling, Los Angeles, Calif., June, 1985.
- Schacher, G E
Mean flow in Vandenberg terrain: Experimental results
JANNAF Conf. on DoD Flow Modeling for Complex
Terrain, Vandenberg AFB, CA, Oct., 1986.
- Schacher, G E; Takle, E C
Vandenberg complex terrain data base
S & EPS Workshop on Atmospheric Transport and
Diffusion Modeling, Los Angeles, Calif., June, 1985.
- Schwirzke, F R
Laser induced unipolar arcing
Navy CPB Material Interaction Workshop, Navy Surface
Weapons Center, White Oak, Silver Spring, Md., Sept.
25-26, 1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS (cont'd)

- Schwirzke, F R
Unipolar arc model
6th Int. Conf. on Plasma Surface Interactions in
Controlled Fusion Devices, Nagoya, Japan, May 14-18,
1984.
- Schwirzke, F R
Unipolar arc model
26th Ann. Mtg. of the Div. of Plasma Phys., Boston,
Mass., Oct. 29 - Nov. 2, 1984.
- Schwirzke, F R
Plasma jets emitted by unipolar arcing from spherical
laser targets
7th Int. Workshop on Laser Interaction and Related
Plasma Phenomena, Monterey, CA, Oct. 28 - Nov. 1,
1985.
- Schwirzke, F R
Unipolar arcs
38th Gaseous Electronics Conf., Monterey, CA, Oct.
15-18, 1985.
- Schwirzke, F R
Microscopic model and scaling laws for a plasma opening
switch
29th Ann. Meeting of the Division of Plasma Physics,
Baltimore, MD, November, 1986.
- Schwirzke, F R
Field emission controlled plasma opening switch
1987 IEEE Intl. Conf. on Plasma Science, Arlington,
VA, June, 1987.
- Schwirzke, F R; Stephenson, C O
Plasma jets emitted by unipolar arcing from plane and
spherical laser targets
27th Ann. Mtg. of the Div. of Plasma Physics, APS,
San Diego, CA, Nov. 4-8, 1985.
- Self, R E; Johnson, J D; Wilson, O B; Garrett, S L
Automated in-service test and evaluation of sonar
hydrophones
112th Meeting of the Acoustical Society of America,
Anaheim, CA, December, 1986.
- Takle, E S; Schacher, G E
Program for assessing diffusion in complex terrain
S & EPS Atmospheric Transport and Diffusion Workshop,
Los Angeles, CA, June, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

CONFERENCE PRESENTATIONS (cont'd)

Tang, C M; Sprangle, P; Penner, S; Maruyama, X
Analysis of free electron laser performance utilizing
the National Bureau of Standards CW microtron
1987 Particle Accelerator Conf., Washington, DC,
March, 1987.

Walters, D L; Stevens, K B
A fourth generation isoplanatic angle sensor
Ann. Mtg. of the Optical Soc. of Am., Seattle, WA,
Oct. 24, 1986.

Walters, D L
Isoplanatic angle measurements
HELRI Adaptive Optics Workshop, Albuquerque, N.
Mex., Feb. 15-16, 1984.

Walters, D L
Saturation and zenith angle dependence of atmospheric
isoplanatic angle measurements
Soc. of Photo-optical Instrumentation Engrs., East
85, Washington, D.C., Apr. 8, 1985.

Wilson, O B; Peter, T E
Development of the DT-276A fabrication specification
package
1985 Ann. Rev. of Sonar Transducer Reliability
Improvement Program, NRL-USRD, Orlando, FL, Dec.
11-12, 1985.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

CONTRIBUTIONS TO BOOKS

Monahan, E C; Spiel, D E; Davidson, K L
Model of marine aerosol generation via whitecap and wave
disruption

IN E. C. Monahan and G. MacNiocall, eds.:
Oceanic whitecaps and their role in air-sea
exchange processes, Dordrecht, Netherlands, D.
Reidel, 1986, p. 167-174.

Schwirzke, F R

Laser induced unipolar arcing

IN H. Hora and G. H. Miley, eds.: Laser
interaction and related plasma phenomena (v.
6), New York, Plenum Publ. Corp., 1984, p.
335-352.

Schwirzke, F R

Unipolar arcing: A basic laser damage mechanism

IN H. E. Bennett, et al., eds.: Laser induced
damage in optical materials 1982, Nat. Bureau
of Standards, Special Publ. no. 669, Jan.,
1984, p. 458-478.

Wilson, O B

An introduction to the theory and design of sonar
transducers

Monterey, CA, Naval Postgraduate School, 1986. 187
p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS
PUBLISHED PAPERS

- Baker, S R; Rudnick, I
Measurement of the biot structural factor delta for
sintered bronze spheres
1985 IEEE Ultrasonics Symp., San Francisco, CA, Oct.,
1985.
IN Proc., p. 1039-1042, (1986).
- Boyle, P J; Davidson, K L; Schacher, G E
Evaluation of an integrated mixed layer model for single
station prediction in a marine regime
Newscasting -II Symp., Norrkoping, Sweden, Sept. 3-7,
1984.
IN Proc., p. 323-237, (1984).
- Boyle, P J; Davidson, K L; Spiel, D E
Characteristics of overwater surface stress during STREX
Dynamics of Atmospheres and Oceans, vol. 4, p.
343-358, (1987).
- Buskirk, F R; Neighbours, J; Maruyama, X
Radiation produced by the modulated electron beam of a
free electron laser
Nuclear Instruments and Methods in Physics Research,
vo. A259, p. 281-284, (1987).
- Buskirk, F R; Neighbors, J R
Time development of Cerenkov radiation
Phys. Rev., vol. A31, p. 3750+, (1985).
- Buskirk, F R; Neighbours, J R
Cerenkov radiation and electromagnetic pulse produced by
electron beams traversing a finite path in air
Phys. Rev. A, vol. 34, p. 3470-3473, (Oct., 1986).
- Buskirk, F R; Pogue, E W
Cavity coupling investigation for the Phermex - 50 MHz
accelerator
IEEE Trans. Nuclear Sci., vol. 32, p. 2582+, (1985).
- Craven, P D; Olsen, R C; Fennell, J; Crowley, D; Aggson, T
Potential modulation on the SCATHA spacecraft
J. of Spacecraft and Rockets, vol. 24, no. 2, p.
150-157, (March-April, 1987).
- Davidson, K L; Fairall, C W
Optical properties of the marine atmospheric boundary
layer: Aerosol profiles
SPIE, Ocean Optics VIII, Orlando, FL, Mar. 31 - Apr.
1, 1986.
IN Proc., SPIE, vol. 637, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

(cont'd)

- Davidson, K L; Fairall, C W; Boyle, P J; Schacher, G E
Verification of an atmospheric mixed layer model for a coastal region
J. Climate and Appl. Meteorology, vol. 23, no. 4, p. 617-636, (Apr., 1984).
- Edwards, T; Horton, K G; Redman, D; Rosa, J M; Rubin, J B; Yoon, S W; Powers, J P; Netzer, D W
Measurement of particulates in solid propellant motors
23rd JANNAF Combustion Meeting, Hampton, VA, October, 1986.
IN Proc. 23rd JANNAF Combustion Meeting, vol. 1, p. 119-132, (1986).
- Fairall, C W; Davidson, K L; Schacher, G E
Application of a mixed layer model to aerosol in the marine boundary layer
Tellus, Part B, vol. 36, no. 3, p. 203-211, (1984).
- Gardner, D L; Garrett, S L
Fiber optic seismic sensor
Fiber Optic and Laser Sensors V, San Diego, CA, August, 1987.
IN Proc. Soc. Photo-Optical Inst. Eng. (SPIE) 838, August, 1987.
- Gardner, D L; Hofler, T; Baker, S R; Yarber, R K; Garrett, S L
A fiber-optic interferometric seismometer
J. of Lightwave Technology, vol. LT-5, no. 7, p. 953-960, (July, 1987).
- Garrett, S L
Detuning/dephasing instabilities in acoustic levitation and Rayleigh disk systems
109th Mtg. of the Acoustical Soc. of Am., Austin, Tex., April 8-12, 1985.
IN J. Acoust. Soc. Am., vol. 77, p. S21, (1985).
- Garrett, S L
Fiber optic seismic sensors for battlefield surveillance
14th Meeting of NATO AC/243, Panel III Research Study Group II, Albuquerque, NM, October, 1986.
IN Minutes of the Fourteenth Meeting of RSG.11, (1987).
- Glass, N E
A perturbation theory for optical reflectance with surface-polariton excitation on a birefracting
Am. Phys. Soc. General Mtg., Las Vegas, NV, Mar. 31 - Apr 4, 1986.
IN Bull. of the Am. Phys. Soc., vol. 31, No. 3, p. 632, (Mar., 1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

(cont'd)

- Glass, N E; Maradudin, A A
Polariton resonant absorption in a bigrating: Exact theory compared to recent experiments and to perturbation theory
Optics Communications, vol. 56, p. 339 - 344, (Jan., 1986).
- Glass, N E; Mills, D L; Weber, M
Surface polariton induced structure in the I-V curves of metal-insulator-metal tunnel junctions
Phys. Rev. B, vol. 32, no. 8, p. 4919-4920, (Oct., 1985).
- Harrison, D E
Molecular dynamics computer simulation study of the damage produced in metal target surfaces during ion bombardment
IN Proc., SIMS IV, (Secondary Ion Mass Spectrometry), Springer-Verlag, N.Y., 1984.
- Harrison, D E; Jakas, M M
Inelastic energy losses in cascades and atom ejection
Nucl. Instruments and Methods in Phys. Res. (B), vol. 15, 25 p., (1986).
- Jakas, M M; Harrison, D E
Influence of electronic energy losses on atom ejection processes
Phys. Rev. B, vol. 30, no. 6, p. 3573-3574, (Sept. 15, 1984).
- Jakas, M M; Harrison, D E
Computer studies of the reflection of 30keV N₂⁺ ions from A (010) Cu surface
Surface Sci., vol. 149, p. 500-516, (1985).
- Jakas, M M; Harrison, D E
Dependence of atom ejection on electronic energy loss
Phys. Rev. B, vol. 32, p. 2752, (1985).
- Jakas, M M; Harrison, D E
Many-body effects in atomic collision cascades
Phys. Rev. Letters, vol. 55, no. 17, p. 1782-1785, (1985).
- Jakas, M M; Harrison, D E
A comparison between multiple interaction computer simulations and the linear theory of sputtering
Nuc. Instruments and Methods in Phys. Res. (B), vol. 14, p. 535, (1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

(cont'd)

- Jenner, A D; Saxon, R P; Gillen, K T; Harrison, D E;
Horn, T C M; Kleyn, A W
Computer simulations and rainbow patterns of alkali ion
scattering from metal surfaces
Surface Sci., vol. 172, p. 121-150, (1986).
- Johnson, M B; Garrett, S L
Reciprocity calibration in a compliant cylindrical tube
110th Mtg. of the Acoust. Soc. of Am., Nashville, TN,
Nov. 7, 1985.
IN J. Acoust. Soc. Am., vol. 78, p. S54, (1985).
- Karow, H U; Leistner, A; Schuiken, H; Rusch, D;
Schwirzke, F; Lion, S; Salge, J G; Bluhm, H
Determination of plasma properties important for plasma
opening switch operation
Sixth IEEE Pulsed Power Conf., Arlington, VA, June,
1987.
IN Proc., IEEE, (1987).
- Kelly, R; Harrison, D E
A summary of the theory of preferential sputtering of
alloys
Mater. Sci. and Eng., vol. 69, p. 449-455, (1985).
- Maruyama, X; Buskirk, F R; Neighbours, J
Microwave Cherenkov radiation as a diffraction
phenomenon
Nuclear Instruments and Methods, vol. B24, issue 25,
p. 921-924, (1987).
- Maruyama, X; Penner, S; Tang, E M; Sprangle, P
Proposal for a free electron laser driven by the
National Bureau of Standards CW Microtron
Nuclear Instruments and Methods in Physics Research,
vol. 259, p. 259-262, (1987).
- Maruyama, X; 33 others
Isoscalar and isovector form factors of ^3H and ^3He for Q
below 2.9 fm^{-1} from electron-scattering measurements
Physical Review Letters, vol. 59, no. 14, p.
1537-1540, (October, 1987).
- Maruyama, X K; Neighbours, J R; Buskirk, F R
Electron beam bunch profile determination through
Cherenkov radiation
IEEE Trans. Nuclear Sci., vol. 32, p. 1994+, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

(cont'd)

- Maruyama, X K; Neighbours, J R; Buskirk, F R; Snyder, D D;
Vujaklija, M; Bruce, R G
Observation of microwave Cerenkov radiation as a
diffraction pattern
J. Appl. Phys., vol. 60, no. 2, p. 518-520, (July 15,
1986).
- Mills, G B; Garrett, S L; Carome, E F
Fiber optic gradient hydrophone
IN Proc. SPIE-Int. Soc. of Optical Eng., vol.
478, 5 p., (May, 1984).
- Morgan, M A; Milne, E A; Fisher, D L
Electromagnetic scattering by stratified anisotropic
media
IEEE Transactions on Antennas and Propagation, vol.
AP-35, no. 2, p. 191-197, (February, 1987).
- Nagai, T; Singer, H J; Ledley, B G; Olsen, R C
Field-aligned currents associated with substorms in the
vicinity of synchronous orbit
J. of Geophysical Research, vol. 92, no. A3, p.
2425-2431, (March, 1987).
- Neighbours, J; Buskirk, F R; Maruyama, X
Cerenkov and Sub-Cerenkov radiation from a charged
particle beam
J. of Applied Physics, vol. 61, p. 2741-2748, (April,
1987).
- Neighbours, J R; Buskirk, F R; Saglam, A
Cerenkov radiation from a finite-length path in a gas
Phys. Rev. A, vol. 29, no. 6, 6.5 p., (June, 1984).
- Nerney, S F; Suess, S T
Modeling the effects of latitudinal gradients in stellar
winds, with application to the solar wind
Astrophys. J., vol. 296, no. 1, p. 259-267, (Sept. 1,
1985).
- Newmaster, J T; Brininstool, M R; Hofler, T; Garrett, S L
Remote fiber optic sensors for angular orientation
Fiber Optic and Laser Sensors V, San Diego, CA,
August, 1987.
IN Proc. Soc. Photo-Optical Inst. Eng. (SPIE)
838, August, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

(cont'd)

- Nichols, R H
VLF ambient ocean noise vs. wind and waves
12th Int. Cong. on Acoustics, Toronto, Canada, July
24-31, 1986.
IN Proc., 12th Int. Cong. on Acoustics, vol. 3, p.
H3-1, (1986).
- O'Connell, J S; Dodge, W R; Lightbody, J W; Maruyama, X;
Adler, J O; Hansen, K; Schroder, B; eight others
Electromagnetic excitation of the delta resonance in
nuclei
Physical Review C, vol. C35, no. 3, p. 1063-1071,
(March, 1987).
- Olsen, R C;
Electron beam experiments at high altitudes
J. of Electrostatics, vol. 20, no. 1, p. 43-57,
(January, 1987).
- Olsen, R C
The record charging events of ATS-6
J. of Spacecraft and Rockets, vol. 24, no. 4, p.
362-366, (July-August, 1987).
- Olsen, R C; Chappell, C R; Shawhan, S D
Plasma observations at the earth's magnetic equator
Intl. Symposium on Space Physics, Beijing, China,
November 10-14, 1986.
IN Proc., ISSP, p. 4-23, (1986).
- Olsen, R C; Shawhan, S D; Gallagher, S D; Green, J L;
Chappell, C R; Anderson, R R
Plasma observations at the Magnetic Equator
J. of Geophysical Research, vol. 92, no. A3, p.
2385-2407, (March, 1987).
- Polturak, E; Garrett, S L; Lipson, S G
Precision acoustic gas analyzer for binary mixtures
Review of Scientific Instruments, vol. 57, no. 11, p.
2837-2841, (November, 1986).
- Sanders, J V; Coppens, A B
Propagation of sound in a fluid wedge overlying a fast
bottom
108th Mtg., Acoust. Soc. Am., Minneapolis, Minn.,
Oct. 8-12, 1984.
IN J. Acoust. Soc. Am., vol. 76, suppl. 1, p. 112,
(1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

(cont'd)

- Schacher, G E; Buell, M J; Skupniewicz, C E; Larsen, S;
Table, E S
Characterizing turbulence for complex terrain diffusion
modeling
IN Proc. 7th Symp. on Turbulence and Diffusion,
p. 227-230, (Nov., 1985).
- Schacher, G E; Skupniewicz, C E; Mikkelsen, T
Turbulence structure on a steep hillside: Application
to transport of a hot plume
IN Proc. 7th Symp. on Turbulence and Diffusion,
p. 315-318, (Nov., 1985).
- Schwirzke, F R
Unipolar arc model
6th Int. Conf. on Plasma Surface Interactions in
Controlled Fusion Devices, Nagoya, Japan, May 14-18,
1984.
IN J. Nucl. Materials, 4 p., (1984).
- Schwirzke, F R
Unipolar arc model
26th Ann. Mtg. of the Div. of Plasma Phys., Boston,
Mass., Oct. 29 - Nov. 2, 1984.
IN Bull. Am. Phys. Soc., vol. 29, p. 1247, (1984).
- Schwirzke, F R
Unipolar arcs
38th Gaseous Electronics Conf., Monterey, CA, Oct.
15-18, 1985.
IN Program and Abstracts, p. 114, (1985).
- Schwirzke, F R; Stephenson, C O
Plasma jets emitted by unipolar arcing from plane and
spherical laser targets
27th Ann. Mtg. of the Div. of Plasma Physics, APS,
San Diego, CA, Nov. 4-8, 1985.
IN Bull. Am. Phys. Soc., vol. 30, p. 1601, (1985).
- Shapiro, M H; Haff, P K; Tombrello, T A; Harrison, D E;
Webb, R P
Computer simulated energy and angular distributions of
sputtered Cu atoms
Radiation Effects, vol. 89, no. 3/4, p. 234-255,
(1985).
- Shapiro, M H; Haff, P K; Tombrello, T A; Harrison, D E
Simulation of isotope effects in sputtering
Nucl. Instruments and Methods in Phys. Res. (B), vol.
12, p. 137-145, (1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

(cont'd)

- Skupniewicz, C E; Schacher, G E
Parameterization of plume dispersion overwater
Atmos. Environment, vol. 20, p. 1333, (1986).
- Suess, S T; Thomas, B T; Nerney, S F
Theoretical interpretation of the observed
interplanetary magnetic field radial variation in the
outer solar system
J. Geophys. Res., vol. 90, no. A5, p. 4378-4382, (May
1, 1985).
- Swift, G W; Garrett, S L
Resonance reciprocity calibration of an ultracompliant
transducer
J. of the Acoustical Soc. of America, vol. 81, no. 5,
p. 1619-1623, (May, 1987).
- Walkup, R; Avouris, P H; Harrison, D E
Model for direct ejection of diatomic molecules by
collisional sputtering
Nucl. Instruments and Methods in Phys. Res. (B), vol.
14, p. 461, (1986).
- Walters, D L
Saturation and zenith angle dependence of atmospheric
isoplanatic angle measurements
Soc. of Photo-optical Instrumentation Engrs., East
85, Washington, D.C., Apr. 8, 1985.
IN Proc., SPIE, vol. 547, p. 38, (1985).
- Webb, R P; Harrison, D E
A computer simulation of high energy density cascades
Nuclear instruments and methods in phys. res.,
Section B, vol. 230, p. 660-665, (1984).
- Webb, R P; Harrison, D E
A molecular dynamics computer simulation of the time
dependence of surface damage production in ion
irradiated metal targets
Vacuum, vol. 35, no. 10/11, p. 847-851, (1984).
- Webb, R P; Harrison, D E; Barfoot, K M
Microscopic phase transitions in molecular dynamics
simulations of low energy ion irradiation of metals
Nuclear Instruments and Methods B, p. 143-146,
(1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

PUBLISHED PAPERS

(cont'd)

- Webb, R P; Harrison, D E; Jakas, M M
The computer simulation of ion induced atomic collision
cascades
Nucl. Instruments and Methods in Phys. Res. (B), vol.
15, 1 p., (1986).
- Wilson, O B; Wolf, S N; Ingenito, F
Measurements of acoustic ambient noise in shallow water
due to breaking surf
J. Acoust. Soc. Am., vol. 78, no. 1, p. 190-195,
(July, 1985).
- Woehler, K E
On the correspondence between the paintings of Bernhard
Schultze and recent results of modern physics
IN Art catalog, Rheinlaud Verlag, Cologne, F. R.
G., 1984.
- Yoon, S W
Parametric acoustic conversion in ocean sediments
J. Acoust. Soc. Am., vol. 75, no. 6, p. 1916, (June,
1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES

- Buskirk, F R; Neighbours, J R
Cerenkov radiation in the neighborhood of the emission threshold
Prepared for Naval Surface Weapons Center, Silver Spring, Md. Naval Postgraduate School, (NPS-61-84-007), Aug., 1984. 4 p.
- Buskirk, F R; Neighbours, J R
Measurement of linac bunch parameters using the Cerenkov effect
Prepared for Office of Naval Res. Arlington, Va. Naval Postgraduate School, (NPS-61-84-008), May, 1984. 16 p.
- Buskirk, F R; Neighbours, J R
Time development of Cerenkov radiation
Prepared for Naval Sea Systems Command, Washington, D.C. Naval Postgraduate School, (NPS-61-84-006), May, 1984. 22 p.
- Buskirk, F R; Neighbours, J R
Cerenkov radiation and electromagnetic pulse produced by electron beams traversing a finite path in air
Sponsored by Naval Sea System Command. Naval Postgraduate School, (NPS-61-86-011), Mar., 1986. 26 p.
- Buskirk, F R; Neighbours, J R; Maruyama, X K
Radiation produced by the modulated electron beam of a free electron laser
Sponsored by Defense Advanced Research Projects Agency. Naval Postgraduate School, (NPS-61-86-013), June, 1986. 21 p.
- Decarpigny, J N; Dehus, J C; Wilson, O B
Finite element analysis of the DT-276 hydrophone using the ATILA code
Sponsored by Naval Sea Systems Command. Naval Postgraduate School, (NPS-61-86-001), Mar., 1986.
- Eagle, J N; Jung, G H; Wilson, O B
A brief study of problems relevant to acoustics in shallow water ASW scenarios
Prepared for Naval Research Lab., Washington, D.C. Naval Postgraduate School, (NPS-61-84-003), Jan., 1984. 20 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Esary, J D; Wilson, O B
Ann. summary report, range studies program
Naval Postgraduate School, Monterey, CA,
(NPS-6185-001PR), October, 1984.
- Glass, N E
A perturbation theory for light diffraction from a
bigrating with multiple surface-polariton excitation
Prepared for U.S. Army Research Office, Research
Triangle Park, NC. Naval Postgraduate School,
(NPS-61-87-003), Dec. 17, 1986. 18 p.
- Kuntsal, E
Effects of changes in impedance on performance of the
hydrophone preamplifier assembly in the BQR-7 sonar
system
Prepared for Naval Sea Systems Command, Washington,
DC. Naval Postgraduate School, (NPS-61-86-002).
Oct., 1985. 37 p.
- Maruyama, X K; Buskirk, F R; Neighbours, J R;
Fitzgerald, R D; Cromar, P F; Mack, J E
Study of off axis radiation energy deposition from 100
MEV electrons in water, liquid nitrogen, and air
Sponsored by Naval Surface Weapons Center, Naval
Postgraduate School, (NPS-61-86-010), Jan., 1986. 42
p.
- Milne, E A; Crittenden, E C; Engel, J; Pentz, N E;
Giorgi, C. M.
Optical turbulence measurement: Investigation for
analysis of laser designator spot patterns (field test)
Sponsored by U.S. Army Electronic Proving Ground,
Fort Huachuca, AZ. (USAEPG-FR-1291), Feb., 1986.
128 p.
- Neighbours, J; Buskirk, F R; Maruyama, X
Cerenkov and Sub-Cerenkov radiation from a charged
particle beam
Sponsored by Defense Advanced Research Projects
Agency, Washington, DC. Naval Postgraduate School,
(NPS-61-87-004), March, 1987. 46 p.
- Neighbours, J R; Buskirk, F R
Radiation from intense electron beams associated with
the Cerenkov mechanism
Prepared for Naval Surface Weapons Center, Silver
Spring, Md. Naval Postgraduate School,
(NPS-61-84-010), June, 1984. 21 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Reinhardt, R A
Computations on internal blast from titanium-cased
chargers in air
Sponsored by Naval Weapons Center, China Lake, Calif.
Naval Weapons Center, (NWC-TP-6544), July, 1984. 44
p.
- Schacher, G E
Air parcel motion at the Vandenberg hydrogen flare
stacks
Sponsored by Air Force Space Div. Naval Postgraduate
School, (NPS-61-86-005), Oct., 1986.
- Schacher, G E
Parameterization of overwater horizontal wind
variability
Sponsored by Naval Surface Weapons Center, Dahlgren,
VA and NPS Research Foundation. Naval Postgraduate
School, (NPS-61-86-014), June, 1986.
- Schacher, G E; Larsen, S; Mikkelsen, T
Diffusion estimates handbook (Application to the space
shuttle HCR exhaust cloud)
Air Force Space Div. Naval Postgraduate School,
(NPS-61-86-009), Feb., 1986.
- Schacher, G E; Skupniewicz, C E
Air parcel motion at the Vandenberg hydrogen flare
stacks
U.S. Air Force, Space Division, (Code SD/CFA), Los
Angeles, Calif. Naval Postgraduate School,
(NPS-61-86-005), Oct., 1985. 106 p.
- Schacher, G E; Skupniewicz, G E; Buell, M
Mean conditions and turbulence at Vandenberg AFB
Prepared for U.S. Air Force Space Div., Los Angeles,
Calif. Naval Postgraduate School, (NPS-61-85-003),
Nov., 1984. 75 p.
- Schacher, G E; Stanton, T P
Mean flow and turbulence in complex terrain
NPS/Vandenberg measurement system
Prepared for U. S. Air Force Space Div., (Code
SD/CFA), Los Angeles, Calif. Naval Postgraduate
School, (NPS-61-84-005), Mar., 1984. 118 p.
- Schwirzke, F R
Short pulse laser and plasma surface interactions
Prepared for Naval Research Lab., Washington, D.C.
Naval Postgraduate School, (NPS-61-84-004), Apr. 2,
1984. 17 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES (cont'd)

- Schwirzke, F R
Microscopic model and scaling laws for a plasma opening switch
Naval Postgraduate School, (NPS-61-85-006), Sept., 1985. 9 p.
- Skupniewicz, C E; Schacher, G E
Assessment of the performance of an in-field Gaussian plume puff model for overwater use
Naval Environmental Prediction Res. Facility, (NEPRF-CR-85-01), Feb., 1985. 47 p.
- Skupniewicz, C E; Schacher, G E; Vaucher, G T
Parameterization of overwater diffusion: Separation of relative diffusion and meander
Sponsored by Nav. Environ. Prediction Res. Facility, Monterey CA. (NEPRF-CR-86-02), Feb., 1986. 60 p.
- Skupniewicz, G E; Schacher, G E
Assessment of the performance of an in-field Gaussian plume/puff model for overwater use
Prepared for Naval Environmental Prediction Res. Facility, Monterey, Calif. Naval Postgraduate School, (NPS-61-85-002), Nov., 1984. 43 p.
- Skupniewicz, G E; Schacher, G E
Measured plume dispersion parameters over water (Vols. 1 and 2)
Prepared for Office of Naval Res., Arlington, Va. Naval Postgraduate School, (NPS-61-84-012), Sept., 1984. 190 p.
- Stevens, K B; Walters, D L
Remote measurement of the atmospheric isoplanatic angle and determination of refractive turbulence profiles by direct inversion of the scintillation amplitude covariance function with Tikhonov regularization
Sponsored by Defense Advanced Research Projects Agency Rome Air Developments Command. Naval Postgraduate School, (NPS-61-86-008), Dec., 1985. 168 p.
- Wilson, O B; Esary, J D
Annual summary report of the Range Studies Program
Sponsored by Naval Undersea Warfare Engineering Station. Naval Postgraduate School, (NPS-61-86-003PR), Oct., 1985. 23 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEPARTMENT OF PHYSICS

TECHNICAL REPORTS AND NOTES (cont'd)

Wilson, O B; Esary, J D

Ann. summary report, range design studies

Sponsored by Naval Postgraduate School, Monterey, CA.
(NPS-61-870-002PR), November, 1986.

Yoon, S W; Dunlap, C R; Bradfield-Smith, W L

Preliminary investigation of optimum frequency for sound
propagation in shallow sound channels

Space and Naval Warfare Systems Command, Washington,
D.C. Naval Postgraduate School, (NPS-68-85-22),
Aug., 1985. 106 p.

Yoon, S W; Dunlap, C R; Bradfield-Smith, W L

Preliminary investigation of optimum frequency for sound
propagation in shallow sound channels

Space and Naval Warfare Systems Command, Washington,
DC. Naval Postgraduate School, (NPS-68-86-002),
July, 1986. 106 p.

DEFENSE

RESOURCES MANAGEMENT

EDUCATION CENTER

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER
CONFERENCE PRESENTATIONS

- Blandin, J S
Cost and utility considerations in military selection
and assignment decisions
16th Ann. Mtg., Am. Inst. for Decision Sciences,
Toronto, Canada, Nov. 5-7, 1984.
- Burmeister, E; Wall, K D
The arbitrage pricing theory and macroeconomic factor
measures
Eastern Finance Assoc. Mtgs., Williamsburg, Va., Apr.
24-27, 1985.
- Burmeister, E; Wall, K D; Hamilton, J D
Estimation of unobserved expected monthly inflation
using Kalman filtering
5th World Cong. of the Econometric Soc., Cambridge,
Mass., Aug. 7-23, 1985.
- Connolly, R A; LaCivita, C J
Adjust costs, multiple capital goods and q
So. Econ. Assoc. Mtgs., Atlanta, Ga., Nov. 14-16,
1984.
- Frederiksen, P C
Electrification and regional development in the
Philippines
18th Int. Atlantic Econ. Conf., Montreal, Canada,
Oct. 11-14, 1985.
- Frederiksen, P C; Looney, R E
Feasibility of the Caribbean Basin Initiative: Jamaica
as a case study
20th Atlantic Econ. Conf., Washington, D.C., Aug.
29-Sept. 1, 1985.
- LaCivita, C J
The determinants of the forward exchange rate
So. Econ. Assoc. Mtgs., Atlanta, Ga., Nov. 14-16,
1984.
- Looney, R E; Frederiksen, P C
The impact of public enterprises on economic growth in
Latin America: The case of defense industries
3rd Int. Mtg., North Am. Economics and Finance
Assoc., Mexico City, Mexico, July, 1985.
- Looney, R E; Frederiksen, P
The impact of defense spending on economic performance
Atlantic Econ. Asso., St. Thomas, Virgin Islands,
Apr. 15-20, 1986.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER
CONFERENCE PRESENTATIONS (cont'd)

Pirog, R L; Stamos, S C
Energy policy and planning
Nat. Mtg. of Am. Evolutionary Econ. Soc. at ASSA
Mtg., Dallas, Tex., Dec., 1984.

Snyder, R A; Morris, J H
Global organization performance and employee commitment
and competence in a human service system
Nat. Mtg. of Am. Inst. for Decision Sciences,
Toronto, Canada, Nov., 1984.

Von Pagenhardt
Global factors: Influences on intelligence (keynote
address)
OSD/DIA Symp. on Intelligence and Training beyond the
Year 2000, Nat. Defense Univ., Ft. McNair,
Washington, DC, June 11-12, 1986.

Von Pagenhardt
Preparation for careers in international service
Careers in Int. Relations, Stanford Univ., Feb. 12,
1986.

Wall, K D
A behaviorally based forecast combination technique
ORSA/TIMS Fall Mtgs., Dallas, Tex., Nov. 26-28, 1984.

Wall, K D
Bootstrapping an econometric application of the Kalman
filter
ORSA/TIMS Applied Probability Group Mtg.,
Williamsburg, Va., Jan. 7-9, 1985.

Wall, K D
Bootstrapping the Kalman Fitter: The German
hyperinflation case
9th Ann. Conf. of the Soc. for Economic Dynamics and
Control, Boston College, Chestnut Hill, MA, June,
1987.

Wall, K D; Correia, C
A behaviorally based method for forecast combination
Sixth Int. Symp. on Forecasting, Paris, France, June
15-18, 1986.

Williams, R R; Morris, J H; Snyder, R A
Sex differences in the relationship between perceived
communication characteristics and organizational
performance
Nat. Mtg. of Am. Inst. for Decision Sciences,
Toronto, Canada, Nov., 1984.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER
CONFERENCE PRESENTATIONS

Woods, W M
New emphasis in reliability and quality in DOD
Monterey Bay Area Chapter of ASOC, Santa Cruz, CA,
August, 1987.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

CONTRIBUTIONS TO BOOKS

Pirog, R L; Stamos, S C
Energy economics: Theory and policy
Prentice Hall, Englewood Cliffs, NJ, 1987. 328 p.

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

PUBLISHED PAPERS

- Blandin, J S
Cost and utility considerations in military selection
and assignment decisions
16th Ann. Mtg., Am. Inst. for Decision Sciences,
Toronto, Canada, Nov. 5-7, 1984.
IN Proc., AIDS, (1984).
- Bonsper, D E
Electronic spreadsheets: To do what? What are they?
Air Force, J. of Logistics, vol. 8, no. 4, p. 32-33,
(Winter, 1984).
- Bonsper, D E
Ambushed
Marine Corps Gazette, vol. 69, no. 9, p. 23-25,
(Sept., 1985).
- Bonsper, D E
Helpless
Marine Corps Gazette, vol. 69, no. 12, p. 20-21.
(Dec., 1985).
- Bonsper, D E
Hill 179
Marine Corps Gazette, vol 69, no. 7, p. 31-32, (July,
1985).
- Bonsper, D E
Lost
Marine Corps Gazette, vol. 69, no. 11, p. 76-77,
(Nov., 1985)
- Bonsper, D E
Rain, bait and mortars
Marine Corps Gazette, vol. 69, no. 10, p. 31-33,
(Oct., 1985).
- Bonsper, D E
The LP doesn't answer
Marine Corps Gazette, vol. 69, no. 8, p. 27, (Aug.,
1985).
- Bonsper, D E
Welcome to Vietnam
Marine Corps Gazette, vol. 69, no. 6, p. 15-16,
(June, 1985).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

PUBLISHED PAPERS

(cont'd)

- Bonsper, D E
Advising in III corps
Marine Corps Gazette, vol. 70, no. 4, p. 45-46,
(Apr., 1986).
- Bonsper, D E
An advisor at last
Marine Corps Gazette, vol. 70, no. 3, p. 22-23,
(Mar., 1986).
- Bonsper, D E
Enemy trapped
Marine Corps Gazette, vol. 70, no. 6, p. 27-29,
(June, 1986).
- Bonsper, D E
Escape and careless
Marine Corps Gazette, vol. 70, no. 7, p. 17-19,
(July, 1986).
- Bonsper, D E
Flashback
Marine Corps Gazette, vol. 70, no. 2, p. 24-25,
(Feb., 1986).
- Bonsper, D E
Goodbye Vietnam
Marine Corps Gazette, vol. 70, no. 9, p. 23, (Sept.,
1986).
- Bonsper, D E
Last days up north
Marine Corps Gazette, vol. 70, no. 1, p. 26-28,
(Jan., 1986).
- Bonsper, D E
Tet II
Marine Corps Gazette, vol. 70, no. 8, p. 16-17,
(Aug., 1986).
- Bonsper, D E; Bonsper, J
R & R
Marine Corps Gazette, vol. 70, no. 5, p. 28-31, (May,
1986)
- Burmeister, E; Wall, K D
The arbitrage pricing theory and macroeconomic factor
measures
Financial Rev., vol. 21, no. 1, p. 1-20, (Feb.,
1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

PUBLISHED PAPERS

(cont'd)

- Burmeister, E; Wall, K D
Unobserved rational expectations and the German
hyperinflation with endogenous money
Intl. Economic Review, vol. 28, no. 1, p. 15-32,
(February, 1987).
- Burmeister, E; Wall, K D; Hamilton, J D
Estimation of unobserved expected monthly inflation
using Kalman filtering
J. of Business & Econ. Statistics, vol. 4, no. 2, p.
147-160, (Apr., 1986).
- Connolly, R A; LaCivita, C J
A note on the statistical properties of alternative q
measures
Economics Letters, vol. 19, no. 2, p. 177-181, (Oct.,
1985).
- Frederiksen, P C
Electrification and regional economic development in the
Philippines
J. of Philippine Develop., vol. 12, no. 2, p.
409-417, (1985).
- Frederiksen, P C
Electrification and regional development in the
Philippines
18th Int. Atlantic Econ. Conf., Montreal, Canada,
Oct. 11-14, 1985.
IN Atlantic Econ. J., p. 67, (Mar., 1985).
- Frederiksen, P C; Looney, R E
Another look at the defense spending and development
hypothesis
Defense Analysis, vol. 1, no. 3, (Oct./Nov., 1985).
- Frederiksen, P C; Looney, R E
Defense expenditures and economic growth in developing
countries: A reply
Armed Forces and Soc., vol. 11, no. 2, p. 298-301,
(winter, 1985).
- LaCivita, C J
Forecasting the dollar: What went wrong?
No. Carolina Rev. of Business and Economics, vol. 8,
no. 2, p. 12-18, (Fall, 1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

PUBLISHED PAPERS

(cont'd)

- LaCivita, C J
A note on the statistical properties of alternative q
measures
Economics Letters, vol. 19, no. 2, p. 177-181, (Oct.,
1985).
- Looney, R E; Frederiksen, P
Defense expenditures external public debt and growth in
developing countries
J. of Peace Res., vol. 23, no. 4, (1986).
- Looney, R E; Frederiksen, P
Profiles of current Latin American arms producers
Int. Organization, vol. 40, no. 3, p. 745-752,
(Summer, 1986)
- Looney, R E; Frederiksen, P
The future demand for military expenditures in Argentina
Arms Control, vol. 7, no. 2, p. 197-202, (September,
1986).
- Looney, R E; Frederiksen, P
Consequences of military and civilian rule in Argentina:
An analysis of central government budgetary tradeoffs
Comparative Political Studies, vol. 20, no. 1, p.
34-46, (April, 1987).
- Looney, R E; Frederiksen, P
Environments conducive to indigenous third world arms
production
Defense Analysis, vol. 3, no. 1, p. 80-81, (March,
1987).
- Looney, R E; Frederiksen, P
Fiscal policy in Mexico: The Fitzgerald thesis
reexamined
World Development, vol. 15, no. 3, p. 399-404,
(March, 1987).
- Looney, R E; Frederiksen, P C
The impact of public enterprises on economic growth in
Latin America: The case of defense industries
3rd Int. Mtg., North Am. Economics and Finance
Assoc. Mexico City, Mexico, July, 1985.
IN Proc., (1985).
- Pirog, R L
Multiobjective decision techniques and defense planning:
A note
Defense Analysis, vol. 2, no. 2, p. 155-157, (June,
1986).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

PUBLISHED PAPERS

(cont'd)

- Pirog, R L; Stamos, S C
Energy concentration: Implications for energy policy
and planning
J. of Econ. Issues, vol. 19, no. 2, p. 441-449,
(June, 1985).
- Snyder, R A; Morris, J H
Global organization performance and employee commitment
and competence in a human service system
Nat. Mtg. of Am. Inst. for Decision Sciences,
Toronto, Canada, Nov. 1984.
IN Proc., AIDS, (1984).
- Wall, K D
Identification theory for time-varying coefficient
regression models
J. of Time Series Analysis, vol. 8, no. 3, p.
359-371, (July, 1987).
- Williams, R R; Morris, J H; Snyder, R A
Sex differences in the relationship between perceived
communication characteristics and organizational
performance
Nat. Mtg. of Am. Inst. for Decision Sciences,
Toronto, Canada, Nov. 1984.
IN Proc., AIDS, (1984).

NAVAL POSTGRADUATE SCHOOL
Monterey, California

DEFENSE RESOURCES MANAGEMENT EDUCATION CENTER

TECHNICAL REPORTS AND NOTES

Boynton, R E
Preliminary analysis of the use of Contractor
Engineering and Technical Services (CETS)
Prepared for Chief of Naval Operations, Washington,
D.C. Naval Postgraduate School, (NPS-64-84-001),
1984. 77 p.

DISTRIBUTION LIST

Defense Technical Information Center Cameron Station Alexandria, VA 22304-6145	2
Library of Congress, Unit X Documents Expediting Project Exchange and Gift Division Washington, DC 20540	1
Office of the Under Secretary of Defense for Research and Engineering The Pentagon Room 3E1006 Washington, DC 20301	1
Office of the Director Net Assessment The Pentagon Room 3A930 Washington, DC 20301	1
Director, Policy Research ISP/Research Pnt Room 1E439 Office of the Secretary of Defense Washington, DC 20301	1
Chief, Strategic Planning Directorate (Program Integration) OUSD/A Pnt Room 3E1065 Office of the Secretary of Defense Washington, DC 20301	1
Secretary of Defense The Pentagon Washington, DC 20301	1
Deputy Under Secretary of Defense (Research and Advanced Technology) The Pentagon - Room 4D745 Washington, DC 20350	1
Directorate for Budget and Finance The Pentagon Washington, DC 20301	1
Defense Logistics Agency Administrative Support Center Cameron Station Alexandria, VA 22304-6145	1
Department of Defense Manpower Data Center Monterey, CA 93940	1
Central Intelligence Agency OIR/LDSD/DB/Standard Dist. GE47 HQ Washington, DC 20505	1

Defense Advanced Research Projects Agency Arlington, VA 22209	1
Defense Nuclear Agency Assistant Director for Nuclear Assessments and Applications Washington, DC 20305	1
Defense Communications Agency Code H340N Washington, DC 20305-2000	1
Defense Mapping Agency Washington, DC 20305	1
Library and Information Directorate National Defense University Ft. Lesley J. McNair Washington, DC 20319-6000	1
National Aeronautics and Space Administration Washington, DC 20546	1
National Aeronautics and Space Administration Cleveland, OH 44135	1
Library 202-3 NASA/Ames Research Center Moffett Field, CA 94035	1
Department of Military Strategy National War College (NWMS) Ft. Lesley J. McNair Washington, DC 20319-6000	1
Commandant Defense Intelligence College ATTN: DIC-1A Washington, DC 20340-5485	1
Library Armed Forces Staff College Norfolk, VA 23511-6097	1
Director Strategic Plans and Policy J-5 Pnt Room 2E996 The Joint Staff Washington, DC 20301	1
Scientific and Technical Advisor J-8 Pnt Room 1E965 The Joint Staff Washington, DC 20301	1
Scientific and Technical Advisor STA-Box Route USCINCPAC Staff Camp H.M. Smith, Hawaii 96861	1
Bureau of Intelligence and Research Office of External Research U.S. Department of State Washington, DC 20520	1

National Security Agency ATTN: R641 Fort Meade, MD 20755	1
Joint Cruise Missiles Project JCM-211 Washington, DC 20360	1
Joint Data Systems Support Center ATTN: Technical Resource Center/C121P The Pentagon, Rm. BF681B Washington, DC 20301-7010	1
Secretary of the Navy The Pentagon - Room 4E686 Washington, DC 20350	1
Assistant Secretary of the Navy (Manpower & Reserve Affairs) The Pentagon - Room 4E788 Washington, DC 20350	1
Assistant Secretary of the Navy (Research Engineering and Systems) The Pentagon - Room 4E736 Washington, DC 20350	1
Office of the Secretary of Defense/FM&P/ DASD (MM&PP)/ED Room 3B930, The Pentagon Washington, DC 20301	1
Deputy Assistant Secretary of the Navy (Manpower Installations & Logistics) The Pentagon Room 3C963 Washington, DC 20301	1
Deputy Assistant Secretary of the Navy (Force Management and Personnel) The Pentagon - Room 4E789 Washington, DC 20350	1
Deputy Under Secretary of the Navy (Policy) DUSN(P) Pnt Room 4E725 Washington, DC 20350	1
Deputy Under Secretary of the Navy (Special Research and Analysis) DUSN (SR&A) Pnt Room 4E780 Washington, DC 20350	1
National Oceanic Atmospheric Administration Rockville, MD 28852	1
Executive Director CNO Executive Panel Staff (OP-00K) 4401 Ford Ave. Alexandria, VA 22302-0268	1

Chief of Naval Operations	
Washington, DC 20350-2000	
Code OP-06	1
Code OP-11	1
Code OP-15	1
Code OP-61	1
Code OP-91	1
Code OP-006	1
Code OP-009P	1
Code OP-009W	1
Code OP-092B	1
Code OP-094	1
Code OP-095	1
Code OP-602	1
Code OP-941	1
Code OP-942	1
Code OP-943	1
Code OP-944	1
Code OP-951	1
Code OP-953D	1
Chief of Naval Operations	
Code OP-01	1
B2-E1	
Washington, DC 20350-2000	
Chief of Naval Operations	
Code OP-009R, The Pentagon	1
Washington, DC 20350-5000	
Naval Air Engineering Center	
Lakehurst, NJ 08733	1
Naval Air Systems Command	
Air 54113B	1
Jefferson Plaza	
Washington, DC 20361	
Naval Air Systems Command	
APC205-0	1
Washington, DC 20361-1205	
Naval Air Systems Command	
Technical Director	1
Research and Technology (AIR-03A)	
Washington, DC 20361	
Commanding Officer	
Naval Intelligence Support Center	1
(DS-31)	
4301 Suitland Road	
Washington, DC 20390-5140	
Commander (NISC-DE00)	
Naval Intelligence Support Center	1
4301 Suitland Road	
Washington, DC 20390	
Naval Oceanography Command	
NSTL, MS 39529-5000	1

Naval Oceanographic Research Development Activity NSTL Station Bay St. Louis, MS 39529	1
Commander (NOIC) Naval Operational Intelligence Center 4301 Suitland Road Washington, DC 20390	1
Space and Naval Warfare Systems Command Code PMW-162 Washington, DC 20363-5000	1
Naval Sea Systems Command Washington, DC 20362-5101	
Code 05	1
Code 003	1
Naval Supply Systems Command Washington, DC 20376	1
Chief of Naval Research 800 North Quincy St. Arlington, VA 22217-5000	
Code 11	1
Code 100	1
Code 102	1
Code 102B	1
Code 111	1
Code 114	1
Code 112	1
Code 1114	1
Office of Naval Research Western Regional Office 1030 East Green St.. Pasadena, CA 91106	1
Library - Bldg 420 Navy/Marine Corps Intelligence Center (NMITC) Dam Neck, VA 23461-5605	1
Librarian Office of Naval Research, London Box 39 FPO New York 09510-0700	1
Commander Naval Air Development Center Code 8131 Warminster, PA 18974-5000	1
Commander Naval Air Development Center Code 01B - Carol Van Wyk Warminster, PA 18974-5000	1
Naval Air Propulsion Test Center Trenton, NJ 08628	1

EWC Price FLTDECGRUPAC Bldg. 603 Naval Amphibious Base Coronado, CA 92155-5006	1
Naval Coastal Systems Center Panama City, FL 32407	1
Naval Environmental Prediction Research Facility ATTN: Library Monterey, CA 93943	1
Naval Personnel Research and Development Center San Diego, CA 92152	1
Naval Ocean Systems Center ATTN: Technical Library Code 9642B San Diego, CA 92152-5000	1
NAVSEASYSAMD CEL-TD Washington, DC 20362	1
Intelligence Officer (17) Naval Ocean Systems Center San Diego, CA 92152-5000	1
David W. Taylor Naval Ship Research & Development Center Technical Information Center Code 5222 Annapolis, MD 21402-5067	1
David W. Taylor Naval Ship Research & Development Center Code 012-3 ATTN: Dr. D.D. Moran, Research Coordinator Bethesda, MD 20084	1
Officer-in-Charge White Oak Laboratory Naval Surface Warfare Center 10901 New Hampshire Ave. Silver Spring, MD 20903-5000	1
Commander Naval Surface Warfare Center Dahlgren, VA 22448-5020	1
Naval Underwater Systems Center ATTN: Technical Library, 02152 Newport, RI 02841-5047	1
Chairman, Strategy Department Naval War College Newport, RI 02840	1
Chairman, Campaign and Strategy Department Naval War College Newport, RI 02840	1

Strategic Studies Group (SSG) Naval War College Newport, RI 02841-5010	1
Navy Tactical Support Activity Bldg. 200G Washington Navy Yard Washington, DC 20374	1
Navy Campus Office Code 011 Room 1053 Naval Military Personnel Command Washington, DC 20370-5001	1
Director U.S. & International Studies U.S. Naval Academy Annapolis, MD 21402	1
Naval Weapons Center Code 01 China Lake, CA 93555-6001	1
Naval Weapons Center ATTN: Technical Library Code 3431 China Lake, CA 93555-6001	1
Naval Weapons Center Code 3205 China Lake, CA 93555-6001	1
Naval Research Laboratory Washington, DC 20375	1
Naval Civil Engineering Lab ATTN: Library - Code L08A Port Hueneme, CA 93043-5003	1
Naval Training Systems Center Code 7A Orlando, FL 32813-7100	1
Documents Library New London Lab Naval Underwater Systems Center New London, CT 06320	1
Naval Surface Weapons Center P20 White Oak Silver Spring, MD 20903-5090	1
Naval Undersea Warfare Engineering Station (Code 80) Keyport, WA 98345-0580	1
Naval Air Rework Facility Naval Air Station, North Island San Diego, CA 92135	1
Naval Safety Center Naval Air Station Norfolk, VA 23511	1

Naval Air Test Center Patuxent River, MD 20670	1
Naval Amphibious Group Eastern Pacific Naval Station Box 201 San Diego, CA 92136	1
Center for Naval Analyses ATTN: Acquisitions Unit Documentation 4401 Ford Ave. Alexandria, VA 22302-0268	1
Naval Center for Cost Analysis ATTN: Dr. Daniel Nussbaum NCA-1 Room 4A538, The Pentagon Washington, DC 20350-1100	1
Naval Data Automation Command ATTN: Executive Assistant Department of the Navy Washington, DC 20374	1
Naval Data Automation Command ATTN: Administrative Officer Department of the Navy Washington, DC 20374	1
Navy Department Library Building 44 Washington Navy Yard Washington, DC 20374-0571	1
Chief of Naval Education and Training Code N-02 Naval Air Station Pensacola, FL 32508	1
Naval Facilities Engineering Command Technical Library, Code 09M124 200 Stovall St. Alexandria, VA 22332-2300	1
Naval Facilities Engineering Command Western Division P.O. Box 727 San Bruno, CA 94066	1
Fleet Combat Direction Systems Support Activity San Diego, CA 92147	1
Navy Fleet Material Support Office Mechanicsburg, PA 17055	1
Naval Intelligence Support 4301 Suitland Road Washington, DC 20390	1
Department of the Navy Navy Military Personnel Command ATTN: LCDR, Glenn, NMPC-16431 Washington, DC 20370-5164	1

Oceanographer of the Navy CNO (OP-006) Naval Observatory 34 East Massachusetts Ave. NW Washington, DC 20390-1800	1
Maury Oceanographic Library Naval Oceanographic Office Bay St. Louis NSTL, MS 39522-5001	1
Technical Library Code 3910 Naval Ordnance Test Station ATTN: Washington/Hungerford Indian Head, MD 20640-5000	2
Naval Ocean R&D Activity ATTN: Code 125L/Library NSTL, MS 39529-5004	1
Naval Ship Systems Engineering Station ATTN: Code 005 - Dr. Utozas Philadelphia, PA 19112	1
Naval Underwater Systems Center San Diego, CA 92132	1
Naval Weapons Station Seal Beach, CA 90740	1
Naval Telecommunications Command 4401 Massachusetts Ave. Code N12 Washington, DC 20390	1
Commander Oceanographic Systems Pacific ATTN: CAPT Alan R. More Box 1390 Pearl Harbor, HI 96860	1
Strategic Systems Program Office ATTN: Library Washington, DC 20376	1
Commandant of the Marine Corps (HQSP-2) Washington, DC 20380	1
U.S. Marine Corps Development and Education Command Quantico, VA 22134	1
Director Plans Division HQ USMC Code PL Arlington Annex Room 2020 Washington, DC 20380	1
Deputy Director for Intelligence HQ USMC Code INT Arlington Annex Room 3233 Washington, DC 20380	1

Advanced Amphibious Study Group P.O. Box 247 Quantico, VA 22134-0247	1
Pentagon Library JDHQ-PL-R Pnt Room 1A518 Washington, DC 20310	1
Academics Officer Staff NCO Academy MCDEC Quantico, VA 22134-5050	1
Long Range Planning Division DAMO-SSL Pnt Room 3B521 Office of the Army Chief of Staff Washington, DC 20310	1
Foreign Area Officer Proponent Team DAMO-SSF Pnt Room 3D561 Office of the Army Chief of Staff Washington, DC 20310	1
Commander U.S. Army Joint Support Activity P.O. Box 11343 Washington, DC 20008-0543	1
U.S. Army Air Defense School ATTN: ATSA-CDT-S Fort Bliss, TX 79916-7050	1
U.S. Army Information Systems Engineering Integration Center Fort Huachuca, AZ 85613-7300	1
U.S. Army Defense Ammunition Center & School Evaluation Division ATTN: SARAC-DEV, McIntosh Savanna, IL 61074	1
CDR USAEPG ATTN: STEEP-MO Fort Huachuca, AZ 85613-7110	1
U.S. Army Foreign Sciences Technology Center 220 7th Street N.E. Charlottesville, VA 22901	1
Director USA Materiel Analysis Activity ATTN: AMXSJ-GC (Mr. Rich Mezan) Aberdeen Proving Ground, MD 21005-5066	1
HQ U.S. Army Military Entrance Processing Command 2500 Green Bay Rd. ATTN: MEPCPAT-AR North Chicago, IL 60064-3094	1
U.S. Army Missile Command Redstone Scientific Information Center ATTN: AMSMI-RD-CS-R/Documents Redstone Arsenal, AL 35898-5241	1

U.S. Army Research Office ATTN: Technical Library P.O. Box 12211 Research Triangle Park, NC 27709-2211	1
U.S. Army Space Program Office ATTN: John Kimmel 2810 Old Lee Highway Fairfax, VA 22031-4304	1
U.S. Army Training & Doctrine Command Fort Monroe, VA 23651	1
U.S. Army War College ATTN: Library Carlisle Barracks, PA 17013-5050	1
U.S. Military Academy West Point, NY 10996	1
Director USA Materiel Analysis Activity ATTN: AMXSY-GC (Mr. Rich Nezan) Aberdeen Proving Ground, MD 21005-5071	1
Librarian ATTN: Marina Griner Post Library Bldg. 31 Fort Benjamin Harrison, IN 46216-5100	1
US Army Aviation Systems Command ATTN: AMSAV-DACL 4300 Goodfellow Blvd. St. Louis, MO 63120-1798	1
SA-ALC/MMEDO ATTN: Diana Zepeda Specifications/Standardization Library Kelly Air Force Base, TX 78241-5280	1
Commandant Air Force Institute of Technology (AFIT-CIP-DPMPC) Wright-Patterson AFB, OH 45433-6583	1
AFHRL/LRS TDC ATTN: Susan Stiller Wright-Patterson AFB, OH 45433	1
AFWAL Technical Library AFWAL/GLISL Wright-Patterson AFB, OH 45433	1
2750 Air Base Wing/DPE Wright-Patterson AFB 45433	1
Air Force Astronautics Laboratory Technical Library Edwards AFB, CA 93523-5000	1
AUL/LSE 87198 ATTN: Dorothy Calhoun Maxwell AFB, AL 36112-5564	1

Air Force Office of Scientific Research Bolling Air Force Base Washington, DC 20362	1
C3CM Joint Test Force Kirkland AFB Albuquerque, NM 87117	1
HQ USAF/IN Washington, DC 20330-5110	1
Deputy Director for Planning Integration AF/XOXI Pnt Room 4D1083 Washington, DC 20330	1
Library Air War College Maxwell AFB, AL 36112	1
Headquarters Space Division, PR-MIPR Control P.O. Box 92960 Worldway Postal Center Los Angeles, CA 90009	1
U.S. Coast Guard Academy New London, CT 06320	1
National Oceanic and Atmospheric Administration/NESDIS E/RA Room 601 - WWB Washington, DC 20233	1
National Science Foundation Washington, DC 20550	1
Officer-in-Charge Dept. of Naval Science California Maritime Academy P.O. Box 1392 Vallejo, CA 94590	1
Officer-in-Charge Dept. of Naval Science Massachusetts Maritime Academy State Pier Buzzards Bay, MA 02532	1
Officer-in-Charge Personnel Support Activity Detachment Bremerton, WA 98314-5305	1
Pacific Missile Test Center Point Mugu, CA 93042	1
CDR Ronald Paul Bence Naval Sea Systems Command (Sea 06WP4) Washington, DC 20362-5101	1
Dr. R.N. McDonough Applied Physics Laboratory Johns Hopkins University Laurel, MD 20707	1

HLIB-K-8103 SERIALS University of Houston ATTN: Serials Department Houston, TX 77004	1
Mitre Corporation, Mail Stop D460 ATTN: Library Center Burlington Rd. Bedford, MA 01730	1
PRC Systems Services Company 1500 Planning Research Dr. McLean, VA 22102	1
University of Texas at Austin Applied Research Laboratories ATTN: Librarian P.O. Box 8029 Austin, TX 78713-8029	1
Dr. Robert M. Williams Naval Air Development Center Code 505A Warminster, PA 18974-5000	1
CDR Ted Hayes CNWS Naval War College Newport, RI 02841	1
Dr. Hal Palmer MRJ Inc. 10455 White Granite Dr. Oakton, VA 22142	1
CAPT Joe Papay 1135E Bobo Ave. Yuma, AZ 85364	1
Mr. Edwin Jones BDM 2600 Garden Rd. North Bldg. Monterey, CA 93940	1
Dr. Lynn E. Wolaver Air Force Institute of Technology AFIT/NR Wright-Patterson AFB, OH 45433	1
Dr. Carl Schneider Director of Research United States Naval Academy Annapolis, MD 21402	1
LCDR Michael J. Quinn USS BLUE RIDGE (LCC-19) FPO San Francisco, CA 96628-3300	1
Robert E. Edelson Jet Propulsion Laboratory California Institute of Technology 4800 Oak Grove Dr. Mail Stop 30:445 Pasadena, CA 91109	1

Commanding Officer Naval Ship Weapons Systems Engineering Station Data Information Branch Code 5125 Port Hueneme, CA 93043	1
Commanding Officer Naval Weapons Station Command Library Code 012L Seal Beach, CA 90740-5000	1
Mare Island Naval Shipyard Technical Library Code 202.13 - Stop T-4/483 Vallejo, CA 94590-5100	1
Naval Electronics Systems Engineering Center, San Diego ATTN: Library - Code AL P.O. Box 80337 San Diego, CA 92138	1
Naval School Civil Engineer Corps Officers Moreell Library, Code C-35 Port Hueneme, CA 93043-5002	1
Officer in Charge NWSSB, Corona Site Technical Library Corona, CA 91720-5000	1
Navy Personnel Research and Development Center ATTN: Library Code 23 San Diego, CA 92152-6800	1
Supervisor of Shipbuilding, Conversion, and Repair, USN ATTN: Library - Code 245 San Francisco, CA 94135	1
Naval Supply Center Technical Division Library Bldg. 311-2, Code 103L Oakland, CA 94625	1
Technical Library Naval Underwater Systems Center New London CT 06320	1
Naval Underwater Systems Center Technical Library Bldg. 80, Room 2065 New London, CT 06320-5594	1
Marine Corps Historical Center Bldg. 58 Washington Navy Yard ATTN: Library - Code HDS-4 Washington, DC 20374-0580	1

Naval Electronic Systems Security Engineering Technical Library, 110L Naval Security Station 3801 Nebraska Ave., N.W. Washington, DC 20393-5270	1
Navy Regional Data Automation Center Technical Library - Code 2052 Bldg. 143 Washington Navy Yard Washington, DC 20374	1
Naval Sea Systems Command SEA 09B317 Technical Library Department of the Navy Washington, DC 20362-5101	1
Naval Observatory Library 34th & Massachusetts Ave., N.W. Washington, DC 20390-5100	1
Navy Department Library Bldg. 44 Washington Navy Yard Washington, DC 20374-0571	1
Naval Aerospace Medical Institute Code 03L, Bldg. 1953 Pensacola, FL 32508-5600	1
Naval Coastal Systems Center Technical Information Center Code 06112 Panama City, FL 32407-5000	1
Commanding Officer Naval Education and Training Program Management Support Activity Code 042 Pensacola, FL 32509-5100	1
Navy Supply Corps School ATTN: Library Athens, GA 30606	1
Consolidated Navy Electronic Warfare School ATTN: Tactical Pub. Library Bldg. 516 - Code 330L Corry Station Pensacola, FL 32511	1
Naval Facilities Engineering Command Pacific Division ATTN: Library Pearl Harbor, HI 96860-7300	1
Naval Avionics Center ATTN: Library 6000 East 21st St. Indianapolis, IN 46218-2189	1

Fleet Intelligence Center Pacific ATTN: Library Box 500 Pearl Harbor, HI 96860-7450	1
Commander Pearl Harbor Naval Shipyard ATTN: Library (Code 244.5) Box 400 Pearl Harbor, HI 96860	1
Commanding Officer Naval Weapons Support Center Code 016 - Aaron Pettiford Crane, IN 47522-5001	1
Naval Ordnance Station Code 50D - Technical Library Louisville, KY 40214	1
Supervisor of Shipbuilding, Conversion and Repair, USN ATTN: Library - Code 240.C New Orleans, LA 70142-5700	1
Naval Aviation Depot Operations Center Naval Air Station ATTN: Code 5322, Technical Library Patuxent River, MD 20670-5449	1
Naval Research Laboratory Code 2620, Library Washington, DC 20375	1
Naval Intelligence Support Center Code 63 4301 Suitland Road Washington, DC 20390	1
Naval Test Pilot School Library Naval Air Test Center Patuxent River, MD 20670	1
United States Naval Academy Nimitz Library Annapolis, MD 21402	1
Naval Ordnance Station ATTN: Technical Library Indian Head, MD 20640	1
Navy Tactical Support Activity Bldg. 200G Washington Navy Yard Washington, DC 20374	1
Supervisor of Shipbuilding, Conversion and Repair ATTN: Technical Library 495 Summer St. Boston, MA 02210	1

Portsmouth Naval Shipyard Code 863 ATTN: Library Portsmouth, NH 03804-5000	1
Supervisor of Shipbuilding, Conversion and Repair, USN Flushing & Washington Brooklyn, NY 11251-9000	1
Naval Facilities Engineering Command Philadelphia Naval Base Bldg. 77-L, Code 04A5-L Philadelphia, PA 19112	1
Naval Development Center Technical Information Center Code 8131 Warminster, PA 18974	1
Commander Philadelphia Naval Shipyard Hull, Machinery, Electrical Ordnance, and Electronics Technical Manual Repository ATTN: Code 2500 Philadelphia, PA 19112-5087	1
Naval Academy Preparatory School (NAPS) Naval Education and Training Center Newport, RI 02840	1
Naval War College ATTN: Library - SAN 321-4370 Newport, RI 02841-5010	1
Charleston Navy Shipyard Technical Library Code 202.3 Bldg. 234, Rm 204 Charleston, SC 29408	1
Commanding Officer Naval Electronic Systems Engineering Center, Charleston 4600 Marriott Dr. North Charleston, SC 29418-6504	1
Fleet and Mine Warfare Training Center Naval Base Charleston, SC 29408	1
Men-Riv Library Bldg. 732 Naval Weapons Station Charleston, SC 29408-7000	1
Commanding Officer Submarine Training Facility Naval Base Charleston, SC 29408-5300	1

Navy Fleet Ballistic Missile Submarine Training Center ATTN: Library Charleston, SC 29408	1
Department of the Navy Office of the General Counsel Law Library, Rm 450 Crystal Plaza, Bldg. 5 Washington, DC 20360	1
Commanding Officer Fleet Combat Training Center Atlantic Dam Neck ATTN: Code 213 Virginia Beach, VA 23461	1
James Carson Breckridge Library Education Center MCDEC (Code E038) Quantico, VA 22134-5050	1
Marine Corps Technical Library LMA-1 CWB, Rm 311 Headquarters Marine Corps Washington, DC 20380	1
Doctrine Center Library Code C0914 MCDEC Quantico, VA 22134-5001	1
McCain Library Naval Amphibious School Naval Amphibious Base Little Creek Norfolk, VA 23521	1
Naval Air Systems Command Air 5004 ATTN: Library Department of the Navy Washington, DC 20361	1
Naval Audit Service ATTN: Library P.O. Box 1206 Falls Church, VA 22041	1
Space and Naval Warfare Systems Command Technical Library Code 18-53 Washington, DC 20363-5100	1
Naval Electronic Systems Engineering Center ATTN: Library, Bldg. 74 P.O. Box 55 Portsmouth, VA 23705	1

Commanding Officer Naval Sea Support Center Atlantic St. Juliens Creek Annex ATTN: Library Portsmouth, VA 23702	1
Naval Military Personnel Command Technical Library NMPC-NO13DD Arlington, Annex Washington, DC 20370	1
Naval Safety Center Naval Air Station ATTN: Library Code 053 Norfolk, VA 23511	1
Naval Sea Systems Command Library Documentation Branch SEA 09831 Department of the Navy Washington, DC 20362	1
Naval Surface Warfare Center Technical Library, Code E23 Dahlgren, VA 22448	1
Navy Environmental Health Center Naval Station, Bldg. X-353 ATTN: Library, Code 44 Norfolk, VA 23511-6695	1
Navy Regional Data Automation Center Code 20 Norfolk, VA 23511-6497	1
Office of the Judge Advocate General Library - Code 64.3 Department of the Navy 200 Stovall St. Alexandria, VA 22332-2400	1
Operational Test and Evaluation Force ATTN: Library Norfolk, VA 23511-6388	1
Office of Naval Research Library, Code 01232L Ballston Tower I 800 North Quincy St. Arlington, VA 22217-5000	1
Norfolk Naval Shipyard Library - Code 202.3 Bldg. 29 Portsmouth, VA 23709	1
Officer in Charge Naval Mine Warfare Engineering Activity Library - Code 322 Yorktown, VA 23691	1

Supervisor of Shipbuilding, Conversion and Repair, USN P.O. Box 215 Code 202.1 Portsmouth, VA 23705	1
Puget Sound Naval Shipyard Engineering Library Code 202.5 Bremerton, WA 98314	1
Doctrine Center Library Code C0914 MCDEC Quantico, VA 22134	1
Naval Undersea Warfare Engineering Station ATTN: WOEC Library Code 3011 Keyport WA, 98345	1
Supervisor of Shipbuilding, Conversion and Repair, USN Technical Library C/243L Seattle, WA 98115-5003	1
Commanding Officer Atlantic Fleet Weapons Training Facility FPO Miami 34051-9000	1
PWC Technical Library USN Public Works Center Code 400T FPO San Francisco, CA 96630-2937	1
Base Library Box 470 US NAS Sigonella FPO New York 09523	1
Office of Naval Research Branch Office, London ATTN: Library P.O. Box 39 FPO New York 09510	1
LCDR S.S. A1y Naval Military Personnel Command (NMPC-164) Washington, DC	1
Director USACSW ATTN: AMSEL-SW-PE-RD (J. Mulligan) Vint Hill Farms Station Warrenton, VA 22186	1
Library The Rand Corporation 1700 Main St. P.O. Box 2138 Sant Monica, CA 90406-2138	1

LT Cynthia Wilberg
1401 S. Edgewood St.
Arlington, VA 22204

1

Mary Schaefer
TASC
1700 N. Moore St.
Suite 1220
Arlington, VA 22209

1

Naval Postgraduate School
Monterey, CA 93943

No. of Copies

Superintendent	1
Provost	1
Director of Programs, Code 03	1
Director Mil. Ops., Code 04	1
Dean of Information & Policy Sciences, Code 05	1
Dean of Science and Engineering, Code 06	1
Dean of Educational Development, Code 011	1
Director, Research Administration, Code 012	25
Director of Academic Planning, Code 013	1
Dean of Academic Administration, Code 014	1
Library, Code 0142	6
Legal Office, Code 006	1
Department of:	
Chair, Com. Sci, Code 52	1
Chair, Math, Code 53	1
Chair, Admin. Sci, Code 54	1
Chair, Ops. Res, Code 55	1
Chair, NSA, Code 56	1
Chair, Physics, Code 61	1
Chair, Elec. and Comp. Eng, Code 62	1
Chair, Meteor, Code 63	1
Executive Director, Defense Resources	
Management Education Center, Code 64	1
Chair, Aeron, Code 67	1
Chair, Ocean, Code 68	1
Chair, Mech Eng, Code 69	1
ASW Academic Group, Code 71	1
Space Systems Academic Group, Code 72	1
EW Academic Group, Code 73	1
Command, Control & Communications	
Group, Code 74	1
Curricular Officer of:	
Operations Research/Systems Analysis, Code 30	1
Aeronautical Engineering, Code 31	1
Electronics & Communications, Code 32	1
Weapons Engineering & Antisub Warfare, Code 33	1
Naval Engineering, Code 34	1
Air-Ocean Sciences, Code 35	1
Administrative Sciences Programs, Code 36	1
National Security & Intelligence Programs,	
Code 38	1
Command, Control & Communications, Code 39	1
Director of Aviation Safety, Code 034	1